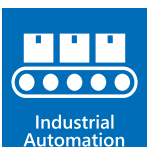


- ◆ AC-DC ITE/Household Power Module
- ◆ AC-DC Medical Power Module
- ◆ AC-DC ITE Switching Power Supply
- ◆ AC-DC Medical Switching Power Supply
- ◆ DC-DC Converter
- ◆ AC EMI Filter





About ARCH

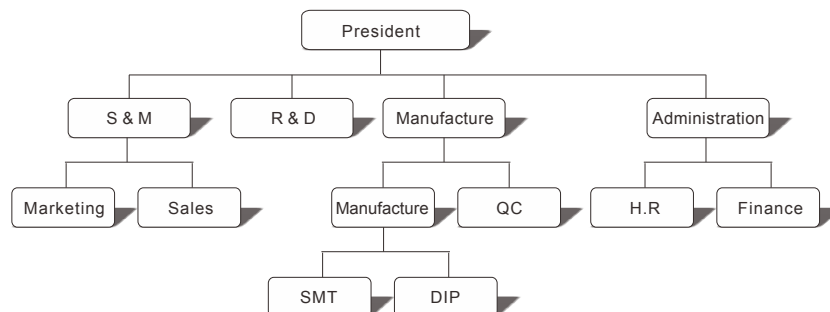
ARCH Electronics Corp. is a Taiwanese power supply expert with headquarters based in Taipei, Taiwan. With 32 years experience in the industry, we are committed to designing and manufacturing high quality AC/DC and DC/DC power supply products. Our mission is to provide the most reliable power solution in the market, along with high efficiency, high density and high reliability.

We currently offer AC/DC encapsulated power module, switching power supply, medical power supply and DC/DC converter. In order to assure the high quality and safety of our products, both manufacturing facilities in Taipei and Suzhou, China are certified to ISO9001, ISO14001 and ISO13485. We are determined and committed to providing customers not merely a solution, but also total satisfaction and trustworthiness.

ARCH, your reliable business partner.

- * ARCH produces high efficiency, high density, compact size and high cost-effective power supply to satisfy various application requirements.
- * ARCH products provide universal input voltage range from 85VAC to 305VAC.
- * ARCH offers diversified mechanical configurations of same power wattage; facilitates the application of end customer's design.
- * ARCH products are fully compliant with updated CE, UL and CB safety approval.
- * ARCH adheres to high level quality control through stringent design and manufacturing process validation, so as to meet the specific requirements from OEM and ODM partners.
- * ARCH offers flexibility to partners with low volume high mix orders.
- * ARCH offers typical lead time from 6-8 weeks.
- * ARCH team responds to customers' inquiries efficiently within 24 hours.

Organization



Product Line



(🔌) ITE Switching PSU
60 Watts ~700 Watts

(🔌) ITE Power Module
2 Watts ~300 Watts

(🔌) DC-DC Converter
5 Watts ~100 Watts

(🔌) AC EMI Filter

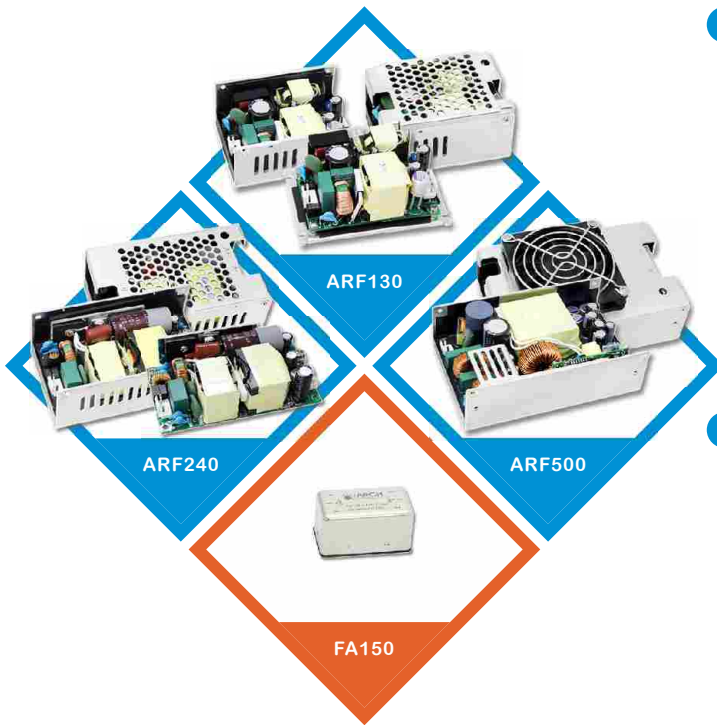
(🏥) Medical Switching PSU
120 Watts ~500 Watts

(🏠) Household Power Module
5 Watts ~60 Watts

(🏥) Medical Power Module
15 Watts ~150 Watts



New Products



ITE PSU Power

ARF130 Series

130 Watts    

- * Size: ARF130E: 3.15" x 2.35" x 1.7"
ARF130O: 3.59" x 2.15" x 1.32"
ARF130U: 3.15" x 2.35" x 1.5"
- * Enclosed / Open Frame / U Bracket Package
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,24,48VDC
- * High Efficiency up to 91%
- * No Load Power Consumption<0.3W
- * Operating Tm: -30°C to +80°C
- * Operating Altitude 5000M
- * Active PFC Function
- * I/O Isolation 4000VAC
- * UL / IEC / EN 62368-1 Safety Approval

ITE PSU Power

ARF240 Series

240 Watts    

- * Size: ARF240E/U: 4.1" x 2.46" x 1.54"
ARF240O:4.02" x 2.05" x 1.09"
- * Enclosed / Open Frame / U Bracket Package
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,24,48VDC
- * High Efficiency up to 94%
- * No Load Power Consumption<0.5W
- * Operating Tm: -30°C to +80°C
- * Built-in 12V / 0.5A Fan Supply(ARF240O)
- * Operating Altitude 5000M
- * Active PFC Function
- * I/O Isolation 4000VAC
- * UL / IEC / EN 62368-1 Safety Approval

ITE PSU Power

ARF500 Series

500 Watts    

- * Size: ARF500E: 5.11" x 3.25" x 2.42"
ARF500U: 5.11" x 3.25" x 1.6"
- * Enclosed or U Bracket Package
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,24,48VDC
- * High Efficiency up to 91.5%/92%
- * Operating Tm: -30°C to +80°C
- * Operating Altitude 5000M
- * Active PFC Function
- * I/O Isolation 4000VAC
- * Standby 5V@1A with Fan
- * Standby 0.4A without Fan(ARF500U)
- * Built-in 12V/0.3A Auxiliary Output(ARF500U)
- * UL / IEC / EN 62368-1 Safety Approval

AC EMI Filter

FA150 Series

Ideal for 1-150 Watts

- * Size: 1.81" x 0.98" x 0.93"
- * Current rating 1-2A
- * Very Compact PCB-mounting Design, Easy to Mount
- * Input Range 90-305VAC
- * To Enhance the Anti-interference Performance and Reduce CE and RE
- * Operating Tm: -40°C to +85°C

ITE Power Module

AHCH05,10 Series

5/10 Watts    

- * Size: AHCH05: 2.04" x 1.04" x 0.65"
AHCH10: 2.055" x 1.055" x 0.75"
- * Universal Input Range 90-305VAC
- * I/O Isolation 4000VAC
- * O/P Voltage: 3,3,5,12,15,24VAC
- * No Load Power Consumption < 0.1W
- * Operating Tm: -40°C to +85°C
- * Screw Terminal for Option
- * EMC Compliant without External Components
- * Safety Approval to UL / IEC / EN 62368-1
- Meet IEC / EN 60335-1 and IEC / EN 61558-2-16

ITE / Household Power Module

AOCH05,10/AFCH25/ATCH30/ANCH50/ARC60 Series

5/10 Watts    

- * Size: AOCH05: 1.46" x 1.08" x 0.69"
AOCH10: 1.46" x 1.08" x 0.79"
AFCH25: 2.07" x 1.08" x 0.93"
ATCH30: 2.53" x 1.78 x 0.85"
ANCH50/ARC60: 2.92 x 1.85 x 0.91"
- * Universal Input Range: ARC60:90-264VAC
others:90-305VAC
- * No Load Power Consumption < 0.1W
- * Screw Terminal for Option(AOCH05/10 N/A)
- * O/P Voltage: AOCH05/AOCH10: 3,3,5,12,15,24VAC
AFCH25/ATCH30: 5,1,12,15,24VAC
ANCH50/ARC60 : 12,15,24VAC
- * Operating Tm: ATCH30/ARC60: -40°C to +85°C
others: -40°C to +70°C
- * EMC Compliant without External Components
- * Safety Approval to UL / IEC / EN 62368-1, IEC / EN 60950, IEC / EN 60335-1, IEC / EN 61558-2-16

DC-DC Converter

SP10F Series

10 Watts 

- * Size: 0.87" x 0.37" x 0.47"
- * Compact SIP8 Package
- * High Efficiency up to 89%
- * 4:1 Wide Input Range
- * O/P Voltage: 5,12,15,24,±5,±12,±15VDC
- * Without Tantalum Capacitors Inside
- * 3000VDC Isolation
- Regulated Outputs
- * Remote ON/OFF Control
- * Operating Tm: -40°C to +85°C
- * Low No Load Power Consumption
- * Continuous Short Circuit Protection

DC-DC Converter

SW20F,30F,40F Series

20/30/40 Watts    

- * Size: 1.02" x 1.02" x 0.45"
- * High Efficiency up to 90%/92%
- * 4:1 Wide Input Range
- * O/P Voltage: 5,12,15,24VDC
- * Without Tantalum Capacitors Inside
- * Low Ripple and Noise
- * Remote ON/OFF Control
- * Operating Tm: -40°C to +85°C
- * Screw Terminal for Option
- * Safety Meet UL / IEC / EN 62368-1 & 60950

DC-DC Converter

ST50F,80F Series

50/80 Watts    

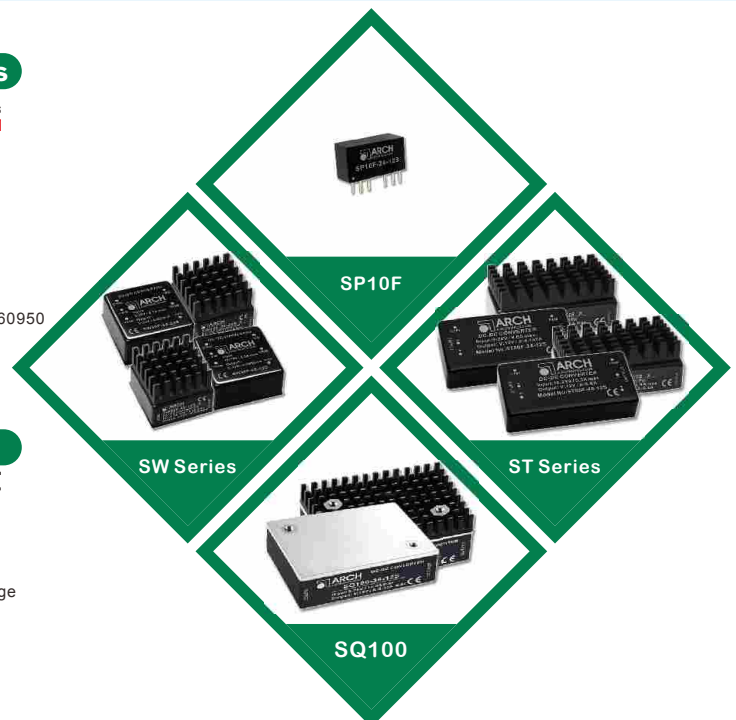
- * Size: ST50F:2.01" x 1.0" x 0.47"
ST80F:2.08" x 1.08" x 0.52"
- * High Efficiency up to 91% / 93%
- * O/P Voltage: 5,12,15,24VDC
- * Low Ripple and Noise
- * Remote ON/OFF Control
- * Operating Tm: -40°C to +80°C
- * Screw Terminal for Option
- * Safety Meet UL / IEC / EN 62368-1 & 60950

DC-DC Converter

SQ100 Series















100 Watts 

- * Size: 2.28" x 1.45" x 0.55"
- * Standard 1/4 Brick Package
- * 8:1 Input Range
- * O/P Voltage: 5,12,15,24,48VDC
- * Protections: Over Power / Over Voltage
Over Temperature / Short Circuit
All by Auto-recovery
- * Operating Tm: -40°C to +105°C





AC-DC ITE Power Module

■ = New Model, ■ = Current Model, ■ = Not Recommended for New Designs

Output Power	Series	Picture	Circuit	I/P Voltage Range (V.AC)	Output Voltage Range (V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Warranty
2W	AYC		Class II	90~305	Single 3.3 · 5 · 9 · 12 · 15 · 24	3000	-40°C~80°C	33.7 x 22.2 x 17.0 CE, RoHS, CB, REACH	3-Year
	AZC		Class II	90~305	Single 3.3 · 5 · 9 · 12 · 15 · 24	3000	-40°C~80°C	28.8 x 26.1 x 17.3 CE, RoHS, CB, REACH	3-Year
3W	AIC		Class II	90~264	Single 3.3 · 5 · 9 · 12 · 15 · 24	3750	-40°C~85°C	35.7 x 19.0 x 22.0 CE, RoHS, CB, REACH	3-Year
4W	AOC		Class II	90~264 and 90~305	Single 3.3 · 5 · 8 · 9 · 12 · 14 · 15 · 24	3000	-40°C~70°C	37.0 x 27.5 x 17.5 CE, RoHS, CB, REACH	3-Year
	AOCH	Dual 5/3.3 · 8/5 · 12/5							
5W	AHCH05	 NEW	Class II	90~305	Single 3.3 · 5 · 12 · 24	4000	-40°C~85°C	51.82 x 26.42 x 16.51 CE, RoHS, CB, REACH	3-Year
	AOCH05	 NEW	Class II	90~305	Single 3.3 · 5 · 12 · 24	4000	-40°C~70°C	37.0 x 27.5 x 17.5 CE, RoHS, CB, REACH, RoHS	3-Year
7W	AUC		Class II	90~264	Single 5 · 12 · 15 · 24	3000	-40°C~70°C	27.4 x 27.4 x 18.7 CE, RoHS, CB, REACH	3-Year
8W	AHC08		Class II	90~305	Single 3.3 · 3.8 · 5 · 8 · 9 · 12 · 14 · 15 · 24	3000	-40°C~70°C	52.2 x 26.8 x 19.0 CE, RoHS, CB, REACH	3-Year
	ALC	Dual 5/3.3 · 8/5 · 12/5 · 12/7.5							
10W	AHCH10	 NEW	Class II	90~305	Single 5 · 12 · 15 · 24	4000	-40°C~85°C	52.2 x 26.8 x 19.0 CE, RoHS, CB, REACH	3-Year
	AOCH10	 NEW	Class II	90~305	Single 5 · 12 · 15 · 24	4000	-40°C~70°C	37.0 x 27.5 x 20.0 CE, RoHS, CB, REACH, RoHS	3-Year
	AOD10		Class II	90~264	Single 5 · 12 · 15 · 24	3000	-40°C~70°C	37.0 x 27.5 x 20.0 CE, RoHS, CB, REACH	3-Year
15W	AVC		Class II	90~264	Single 5 · 12 · 15 · 24	4000	-40°C~70°C	41.2 x 27.2 x 19.1 CE, RoHS, CB, REACH	3-Year
	APCN		Class II	90~264	Single 5 · 12 · 15 · 24	4000	-40°C~70°C	54.7 x 44.9 x 21.0 CE, RoHS, CB, REACH	3-Year
	ATCN		Class II	90~264	Single 5 · 12 · 15 · 24	4000	-40°C~70°C	64.3 x 45.1 x 21.7 CE, RoHS, CB, REACH	3-Year
	MFC15		Class II	90~264	Single 5 · 9 · 12 · 15 · 24	4000	-40°C~80°C	52.5 x 27.5 x 23.5 CE, RoHS, CB, REACH	3-Year
20W	AFC20		Class II	90~264	Single 3.3 · 5 · 12 · 15 · 24	3000	-40°C~70°C	52.5 x 27.5 x 23.5 CE, RoHS, CB, REACH	3-Year
	AKC		Class I	90~264	Single 3.3 · 5 · 7.35 · 9 · 12 · 15 · 24 Dual ±5 · ±12 · ±15 Triple 5/±12 · 5/±15	3000	-25°C~70°C	69.5 x 47.5 x 21.7 CE, RoHS, CB, REACH	3-Year
	MZC20		Class II	90~264	Single 12 · 24	4000	-40°C~80°C	52.5 x 27.5 x 23.5 CE, RoHS, CB, REACH	3-Year
25W	AFCH25	 NEW	Class II	90~305	Single 5.1 · 12 · 15 · 24	4000	-40°C~70°C	52.5 x 27.5 x 23.5 CE, RoHS, CB, REACH	3-Year
30W	ATC30		Class II	90~305	Single 3.3 · 5 · 12 · 15 · 24	3000	-40°C~70°C	64.1 x 45.6 x 23.5 CE, RoHS, CB, REACH	3-Year
	ATCH30	 NEW	Class II	90~305	Single 5.1 · 12 · 15 · 24	4000	-40°C~85°C	64.3 x 45.1 x 21.7 CE, RoHS, CB, REACH	3-Year
	MTC30		Class II	90~264	Single 5 · 12 · 15 · 24	4000	-40°C~80°C	64.1 x 45.6 x 23.5 CE, RoHS, CB, REACH	3-Year
40W	AJC		Class II	90~264	Single 3.3 · 5 · 9 · 12 · 15 · 24 Dual ±5 · ±12 · ±15 · 5/12 · 5/24 Triple 5/±12 · 5/±15	3000	-40°C~70°C	89.5 x 64.1 x 25.0 CE, RoHS, CB, REACH	3-Year
	ANC50		Class II	90~264	Single 5 · 12 · 15 · 24 · 48	3000	-40°C~70°C	74.1 x 54.1 x 21.8 CE, RoHS, CB, REACH	3-Year
50W	ANCH50	 NEW	Class II	90~305	Single 12 · 15 · 24	4000	-40°C~70°C	74.2 x 47.0 x 23.1 CE, RoHS, CB, REACH, RoHS	3-Year
	AEC60		Class I	90~264	Single 5 · 9 · 12 · 15 · 24 · 48	4000	-40°C~70°C	109.0 x 58.5 x 30.0 CE, RoHS, CB, REACH	3-Year
	ARC60	 NEW	Class II	90~264	Single 12 · 15 · 24	4000	-40°C~85°C	74.2 x 47.0 x 23.1 CE, RoHS, CB, REACH, RoHS	3-Year
60W	MSC60		Class II	90~264	Single 5 · 9 · 12 · 15 · 24	4000	-40°C~80°C	89.0 x 63.5 x 27.0 CE, RoHS, CB, REACH	3-Year
	AQC100		Class I	90~264	Single 12 · 15 · 24 · 48	3000	-25°C~70°C	109.0 x 58.5 x 30.0 CE, RoHS, CB, REACH	3-Year








AC-DC ITE Power Module

■ = New Model, ■ = Current Model, ■ = Not Recommended for New Designs

Output Power	Series	Picture	Circuit	I/P Voltage Range (V.AC)	Output Voltage Range (V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Page
150W	MQC150		Class I	90~264	Single 12 · 24 · 48	4000 VAC or 5656 VDC	-30°C~70°C	109.0 x 58.5 x 35.0 CE, UL, CB	18
300W	ABR300		Class I	90~264	Single 12 · 24 · 28 · 48	3000	-40°C~100°C	117.3 x 61.5 x 13.2 CE, UL	19









AC-DC Household Power Module

■ = New Model, ■ = Current Model, ■ = Not Recommended for New Designs

Output Power	Series	Picture	Circuit	I/P Voltage Range (V.AC)	Output Voltage Range (V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Warranty
5W	AOCH05 NEW		Class II	90~305	Single 3.3 · 5 · 12 · 24	4000	-40°C~70°C	37.0 x 27.5 x 17.5 CE, UL, CB, P, R	3-Year
10W	AOCH10 NEW		Class II	90~305	Single 5 · 12 · 15 · 24	4000	-40°C~70°C	37.0 x 27.5 x 20.0 CE, UL, CB, P, R	3-Year
	AOD10		Class II	90~264	Single 5 · 12 · 15 · 24	3000	-40°C~70°C	37.0 x 27.5 x 20.0 CE, UL, CB	3-Year
25W	AFCH25 NEW		Class II	90~305	Single 5.1 · 12 · 15 · 24	4000	-40°C~70°C	52.5 x 27.5 x 23.5 CE, UL, CB	3-Year
30W	ATCH30 NEW		Class II	90~305	Single 5.1 · 12 · 15 · 24	4000	-40°C~85°C	64.3 x 45.1 x 21.7 CE, UL, CB	3-Year
50W	ANCH50 NEW		Class II	90~305	Single 12 · 15 · 24	4000	-40°C~70°C	74.2 x 47.0 x 23.1 CE, UL, CB, P, R	3-Year
60W	ARC60 NEW		Class II	90~264	Single 12 · 15 · 24	4000	-40°C~85°C	74.2 x 47.0 x 23.1 CE, UL, CB, P, R	3-Year


AC-DC Medical Power Module

■ = New Model, ■ = Current Model, ■ = Not Recommended for New Designs

Output Power	Series	Picture	Circuit	I/P Voltage Range (V.AC)	Output Voltage Range (V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Page
15W	MFC15		Class II	90~264	Single 5 · 9 · 12 · 15 · 24	4000	-40°C~80°C	52.5 x 27.5 x 23.5 CE, UL, CB	22
	MTC		Class II	90~264	Single 3.3 · 5 · 7.35 · 9 · 12 · 15 · 24 Dual ±5 · ±12 · ±15 Triple 5/±12 · 5/±15	4000	-40°C~70°C	64.1 x 45.6 x 23.5 CE, UL, CB	22
20W	MZC20		Class II	90~264	Single 12 · 24	4000	-40°C~80°C	52.5 x 27.5 x 23.5 CE, UL, CB	22
30W	MTC30		Class II	90~264	Single 5 · 12 · 15 · 24	4000	-40°C~80°C	64.1 x 45.6 x 23.5 CE, UL, CB	23
40W	MSC		Class II	90~264	Single 3.3 · 5 · 9 · 12 · 15 · 24 Dual ±5 · ±12 · ±15 · 5/12 · 5/24 Triple 5/±12 · 5/±15	4000	-40°C~70°C	89.0 x 63.5 x 27.0 CE, UL, CB	23
60W	MSC60		Class II	90~264	Single 5 · 9 · 12 · 15 · 24	4000	-40°C~80°C	89.0 x 63.5 x 27.0 CE, UL, CB	23
100W	MQCS100		Class I	90~264	Single 12 · 24 · 48	4000 VAC or 5656 VDC	-30°C~70°C	83.9 x 58.5 x 35.0 CE, UL, CB	24
150W	MQC150		Class I	90~264	Single 12 · 24 · 48	4000 VAC or 5656 VDC	-30°C~70°C	109.0 x 58.5 x 35.0 CE, UL, CB	24

AC EMI Filter

■ = New Model, ■ = Current Model, ■ = Not Recommended for New Designs

Output Power	Series	Picture	Circuit	Rated Voltage (V.AC)	Rated Current (A)	Hi Pot Rating ≤5mA (1 min)	Operating Temperature	Dimensions (mm)	Page
1-150W	FA150 NEW		Class I and Class II	90~305	1 · 2	Line to Line: 1800 VDC Line to Ground: 2000 VAC	-40°C~100°C	46.0 x 25.0 x 23.5	26










(Q) AC-DC ITE Switching Power Supply

■ = New Model, ■ = Current Model, ■ = Not Recommended for New Designs

Output Power	Series	Picture	Package Type	Circuit	I/P Voltage Range(V.AC)	Output Voltage Range (V.DC)	Isolation Voltage(V.AC)	Operating Temperature	Dimensions (mm)	Warranty
60W	AES60E AES60U		Enclosed U Bracket	Class I	90~264	5、9、12、15、24、48	3000 VAC or 4242 VDC	-40°C~70°C	105.0 x 58.0 x 38.1 CE, RoHS, US	3Y
	AES60O		Open Frame	Class I	90~264	5、9、12、15、24、48	3000 VAC or 4242 VDC	-40°C~70°C	103.9 x 52.1 x 25.4 CE, RoHS, US	3Y
	SZA60O		Open Frame	Class I	90~264	5、12、15、24、48	3000 VAC or 4242 VDC	-30°C~70°C	76.3 x 50.6 x 31.5 CE, RoHS, US, CB	3Y
	SZA60U		U Bracket	Class I	90~264	5、12、15、24、48	3000 VAC or 4242 VDC	-30°C~70°C	80.0 x 59.7 x 38.0 CE, RoHS, US, CB	3Y
100W	AQF100O		Open Frame	Class I	90~264	12、15、24、48	3000 VAC or 4242 VDC	-25°C~70°C	103.9 x 54.1 x 24.3 CE, RoHS, US, CB	3Y
120W 180W	AQF120E AQF120U		Enclosed U Bracket	Class I	90~264	5、12、15、24、48	4000 VAC or 5656 VDC	-25°C~70°C	127.0 x 82.2 x 38.1 CE, RoHS, US, CB	3Y
	AQF120O		Open Frame	Class I	90~264	5、12、15、24、48	4000 VAC or 5656 VDC	-25°C~70°C	127.0 x 76.2 x 29.5 CE, RoHS, US, CB	3Y
130W	ARF130E NEW		Enclosed	Class I	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~80°C	80.0 x 59.7 x 43.2 CE, RoHS, US, CB	3Y
	ARF130O NEW		Open Frame	Class I	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~80°C	91.19 x 54.61 x 33.5 CE, RoHS, US, CB	3Y
	ARF130U NEW		U Bracket	Class I	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~80°C	80.0 x 59.7 x 38.0 CE, RoHS, US, CB	3Y
240W	AQF240E AQF240U		Enclosed U Bracket	Class I	90~264	5(AQF240E only)、 12、15、24、28、32、 36、48	4000 VAC or 5656 VDC	-10°C~70°C	150.0 x 106.0 x 35.0 CE, RoHS, US, CB	3Y
	ARF240E ARF240U NEW		Enclosed U Bracket	Class I	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~80°C	104.0 x 62.5 x 39.2 CE, RoHS, US, CB	3Y
	ARF240O NEW		Open Frame	Class I	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~80°C	102.0 x 52.0 x 27.6 CE, RoHS, US, CB	3Y
	(H) MQF240E		Enclosed	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	104.0 x 62.5 x 50.5 CE, RoHS, US, CB	3Y
	(H) MQF240O		Open Frame	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	103.9 x 52.0 x 27.6 CE, RoHS, US, CB	3Y
	(H) MQF240U		U Bracket	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	104.0 x 62.5 x 39.2 CE, RoHS, US, CB	3Y
	300W	ABR300U		U Bracket	Class I	90~264	12、24、28、48	3000 VAC	-40°C~65°C	150.0 x 106.0 x 35.0 CE
360W	AQF360E		Enclosed	Class I	90~264	12、24、36、48、54	3000 VAC or 4242 VDC	-25°C~70°C	172.7 x 81.3 x 53.3 CE, RoHS, US, CB	3Y
	AQF360F		Enclosed	Class I	90~264	12、24、36、48、54	3000 VAC or 4242 VDC	-25°C~70°C	197.7 x 81.3 x 40.0 CE, RoHS, US, CB	3Y
	AQF360U		U Bracket	Class I	90~264	12、24、36、48、54	3000 VAC or 4242 VDC	-25°C~70°C	172.7 x 81.3 x 38.0 CE, RoHS, US, CB	3Y
480W	AQFV480E		Enclosed	Class I	90~264	12、24、36、48	3000 VAC or 4242 VDC	-25°C~70°C	177.8 x 106.5 x 60.3 CE, RoHS, US	3Y
	AQFV480F		Enclosed	Class I	90~264	12、24、36、48	3000 VAC or 4242 VDC	-25°C~70°C	202.8 x 106.5 x 45.0 CE, RoHS, US	3Y
	AQFV480U		U Bracket	Class I	90~264	12、24、36、48	3000 VAC or 4242 VDC	-25°C~70°C	177.8 x 106.5 x 45.0 CE, RoHS, US	3Y
500W	ARF500E NEW		Enclosed	Class I	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~80°C	129.7 x 82.55 x 61.4 CE, RoHS, US, CB	3Y
	ARF500U NEW		U Bracket	Class I	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~80°C	129.7 x 82.55 x 40.6 CE, RoHS, US, CB	3Y
	(H) MQF500E		Enclosed	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	139.7 x 82.55 x 61.4 CE, RoHS, US, CB	3Y
	(H) MQF500O		Open Frame	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	127.8 x 76.2 x 36.5 CE, RoHS, US, CB	3Y
	(H) MQF500U		U Bracket	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	139.7 x 82.55 x 40.6 CE, RoHS, US, CB	3Y
600W	AQF600		Enclosed	Class I	90~264	12、24、48、54	3000 VAC or 4242 VDC	-25°C~70°C	228.5 x 105.0 x 44.0 CE, RoHS, US	3Y
700W	AQF700 AQF700C		Enclosed	Class I	90~264	12、15、24、28、48	4000 VAC or 5656 VDC	-30°C~70°C	170.2 x 93.0 x 41.0 CE, RoHS, US, CB	3Y

(H) AC-DC Medical Switching Power Supply

■ = New Model, ■ = Current Model, ■ = Not Recommended for New Designs



Output Power	Series	Picture	Package Type	Circuit	I/P Voltage Range (V.AC)	Output Voltage Range (V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Warranty
120W	MQF120E		Enclosed	Class II	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~70°C	80.0 x 59.7 x 43.2 CE cULus CB	3Y
	MQF120O		Open Frame	Class II	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~70°C	77.2 x 50.8 x 30.7 CE cULus CB	3Y
	MQF120U		U Bracket	Class I	90~264	12、24、48	4000 VAC or 5656 VDC	-30°C~70°C	80.0 x 59.7 x 38.0 CE cULus CB	3Y
240W	MQF240E		Enclosed	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	104.0 x 62.5 x 50.5 CE cULus CB	3Y
	MQF240O		Open Frame	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	103.9 x 52.0 x 27.6 CE cULus CB	3Y
	MQF240U		U Bracket	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	104.0 x 62.5 x 39.2 CE cULus CB	3Y
500W	MQF500E		Enclosed	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	139.7 x 82.55 x 61.4 CE cULus CB	3Y
	MQF500O		Open Frame	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	127.8 x 76.2 x 36.5 CE cULus CB	3Y
	MQF500U		U Bracket	Class I	90~264	12、15、24、48	4000 VAC or 5656 VDC	-30°C~70°C	139.7 x 82.55 x 40.6 CE cULus CB	3Y

(C) DC-DC Converter

■ = New Model, ■ = Current Model, ■ = Not Recommended for New Designs

Output Power	Series	Picture	Input Voltage Range (V.DC)		Output Voltage Range (V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Page
5W	ZC05		4:1 Range 9~36 18~75		Single	1600	-25°C~80°C	31.8 x 20.3 x 10.2 CE	44
					Dual				
10W	SP10F		4:1 Range 9~36 18~75		Single	3000	-40°C~85°C	22.0 x 9.5 x 12.0 CE	48
					Dual				
15W	ZB15		2:1 Range 9~18 18~36	4:1 Range 9~36 18~75	Single	1600	-25°C~70°C	50.1 x 25.4 x 10.8 CE cULus	44
					Dual				
20W	SW20F SW20F X		4:1 Range 9~36 18~75		Single	2250	-40°C~85°C	26.0 x 26.0 x 11.3 CE cULus (meet)	45
30W	SW30F SW30F X		4:1 Range 9~36 18~75		Single	2250	-40°C~85°C	26.0 x 26.0 x 11.3 CE cULus (meet)	45
40W	SW40F SW40F X		4:1 Range 9~36 18~75		Single	2250	-40°C~85°C	26.0 x 26.0 x 11.3 CE cULus (meet)	45
50W	ST50F ST50F X		4:1 Range 9~36 18~75		Single	2250	-40°C~80°C	51.0 x 25.5 x 12.0 CE cULus (meet)	46
60W	ST60 ST60 X		4:1 Range 18~72		Single	1600	-40°C~80°C	52.8 x 27.5 x 13.2 CE	47
80W	ST80F ST80F X		4:1 Range 9~36 18~75		Single	2250	-40°C~80°C	52.8 x 27.5 x 13.2 CE cULus (meet)	47
100W	SQ100 SQ100 X		8:1 Range 9~75		Single	2250	-40°C~105°C	59.7 x 36.8 x 12.7 CE	49


AC-DC ITE Power Module

Series Name	Output Voltage & Output Type		Option
AJC	3.3	S	A2
ABR300 AEC60 AFC20 AFCH25 AHC08 AHCH05 / 10 AIC AJC AKC ALC ANC50 / ANCH50 AOC / AOCH AOCH05 / AOCH10 AOD10 APCN AQC100 ARC60 ATC30 / ATCH30 / ATCN AUC AVC AYZ AZC MFC15 MQC150 MSC60 MTC30 MZC20	Single: 3.3S=3.3 Vdc 3.8S=3.8 Vdc 5S=5 Vdc 5.1S=5.1 Vdc 7.35S=7.35 Vdc 8S=8 Vdc 9S=9 Vdc 12S=12 Vdc 14S=14 Vdc 15S=15 Vdc 24S=24 Vdc 48S=48 Vdc Triple: 5S12D=5 / ±12 Vdc 5S15D=5 / ±15 Vdc	Dual: 5D=±5 Vdc 12D=±12 Vdc 15D=±15 Vdc 5S3.3S= 5 / 3.3 Vdc 5S12S= 5 / 12 Vdc 5S24S= 5 / 24 Vdc 8S5S= 8 / 5 Vdc 12S5S= 12 / 5 Vdc 12S7.5S= 12 / 7.5 Vdc	Option Din Rail Type Input Output A2=  only for AEC60 / AFCH25 / AHCH05 / AHCH10 / AJC / AKC / ANCH50 / ARC60 / ATCH30 / MFC15 / MQC150 / MSC60 / MTC30 / MZC20 A5=  only for AEC60


AC EMI Filter

Series Name	Suitable Power	Rated Current
FA	150	1
FA	150=1~150 watts	1=2A (Circuit:Class I) 2=2A (Circuit:Class II) 3=1A (Circuit:Class II)

AC-DC Household Power Module

Series Name	Output Power	Output Voltage & Output Type	Option
AFCH25	25	12 S	A2
AFCH ANCH AOCH AOD ARC	5=5 watts 10=10 watts 25=25 watts 30=30 watts 50=50 watts 60=60 watts	Single: 3.3S=3.3 Vdc 5S=5 Vdc 5.1S=5.1 Vdc 12S=12 Vdc 15S=15 Vdc 24S=24 Vdc	Option Din Rail Type only for AFCH25 / ANCH50 / ARC60 / ATCH30 Input Output 

AC-DC Medical Power Module

Series Name	Output Power	Output Voltage & Output Type	Option	Option
MFC	15	12 S	E1	A2
MFC MQC MQCS MSC MTC MZC	15=15 watts 20=20 watts 30=30 watts 60=60 watts 100=100 watts 150=150 watts	Single: 3.3S=3.3 Vdc 5S=5 Vdc 7.35S=7.35 Vdc 9S=9 Vdc 12S=12 Vdc 15S=15 Vdc 24S=24 Vdc 48S=48 Vdc Triple: 5S12D=5 / ±12 Vdc 5S15D=5 / ±15 Vdc	Dual: 5D=±5 Vdc 12D=±12 Vdc 15D=±15 Vdc 5S12S= 5 / 12 Vdc 5S24S= 5 / 24 Vdc E1=Operating Starts at -40°C only for MTC (15W) / MSC (40W)	Option Din Rail Type only for MFC15 / MZC20 / MTC30 / MSC60 MQCS100 / MQC150 Input Output 



AC-DC Medical Switching Power Supply

Series Name	Output Power	Package Type	Output Voltage & Output Type
MQF	240	O	12 S
MQF	120=120 watts 240=240 watts 500=500 watts	C=Current Share Function E=Enclosed O=Open Frame U=U Bracket	Single: 12S=12 Vdc 15S=15 Vdc 24S=24 Vdc 48S=48 Vdc

AC-DC Switching Power Supply

Series Name	Output Power	Package Type	Output Voltage & Output Type	Option
AES	60	O	5 S	DRK
ABR AES AQF AQS AQFV ARF MQF SZA	60=60 watts 100=100 watts 120=120 watts 130=130 watts 240=240 watts 300=300 watts 360=360 watts 480=480 watts 500=500 watts 600=600 watts 700=700 watts	C=Current Share Function E=Enclosed F=Enclosed+Fan O=Open Frame U=U Bracket	Single: 5S=5 Vdc 9S=9 Vdc 12S=12 Vdc 15S=15 Vdc 24S=24 Vdc 28S=28 Vdc 32S=32 Vdc 36S=36 Vdc 48S=48 Vdc 54S=54 Vdc	Option Din Rail Kit (Enclosed Package Type) only for AES60 / AQF120 / AQF240

DC-DC Converter

Series Name	Output Power	4:1 Wide Input Range	Input Voltage	Output Voltage & Output Type	with Heatsink	Option
SW	20	F	24	12 S	X	A2
SP SQ ST SW ZB ZC	5=5 watts 10=10 watts 15=15 watts 20=20 watts 30=30 watts 40=40 watts 50=50 watts 60=60 watts 80=80 watts 100=100 watts	F=4:1 Wide Input Range	2:1 Range 12=12 Vdc (9~18Vdc) 24=24Vdc (18~36Vdc) 48=48Vdc (36~75Vdc) 4:1 Range 24=24 Vdc (9~36Vdc) 48=48Vdc (18~75Vdc)	Single: 3.3S=3.3 Vdc 5S=5 Vdc 12S=12 Vdc 15S=15 Vdc 24S=24 Vdc Dual: 5D=±5 Vdc 12D=±12 Vdc 15D=±15 Vdc	X=with Heatsink	Option Din Rail Type only for ST50F / ST60 / ST80F SW20F / SW30F / SW40F A2=  A5= 



ODM Welcome

ARCH is a professional Taiwan based power supply manufacturer, two factories in Taipei and China, certified to ISO-9001, ISO-14001 and ISO-13485. ARCH has its own SMT and DIP production lines in both Taiwan and China, operated by well trained production employees, and performs stringent complete quality process.

Our R&D team has served as a core pillar of ARCH's success throughout the years. Our enthusiastic and highly knowledgeable R&D team will provide you unmatched technical support in developing products that meet your functional and quality expectations.

Please contact ARCH via sales@archcorp.com.tw for details, ARCH assures you of its best service at all times.



Quotation & Order

ARCH sales respond the inquiries in 24 hours for the standard products. For O.D.M. Projects with complete specifications, ARCH will quote within 5 days.

Purchase orders must be placed to ARCH by e-mail or fax. To avoid any misunderstanding or confusion, ARCH would not accept orders by oral discussion.

For order confirmation, ARCH will provide Proforma Invoice with shipping schedule by e-mail or fax. If you fail to receive the Proforma Invoice, please contact ARCH within 3 working days



Delivery & Return

Most of our standard products are available to order from stock and small quantity can be shipped no later than 5 working days. For large quantity or new products, 4-6 weeks lead-time is required.

A customer's rejected product returned for repair shall have a RMA (Return Merchandise Authorization) number. Any returns of defective units without valid RMA numbers will not be accepted; they will be returned to the customer at the customer's cost without prior notice. The freight charge for all returned defective units must be prepaid by customers unless prior confirmation by ARCH.



Warranty

ARCH warrants its products to be free from defects in material and workmanship for three (3) years from the date of shipment. Customers may consider return for credit or replacement; please contact ARCH' sales for further information.

For any product problem, please contact ARCH's sales for failure analysis or RMA report if required.



Attention

Information furnished by ARCH is believed to be accurate and reliable. If there is any discrepancy between the data displayed in the catalogue and the specification sheets, the specification sheets in PDF file launched on ARCH's website www.archcorp.com.tw should prevail.

For continuing product improvement, ARCH reserves the right to revise any information in the catalogue and specification sheets without any prior notification.



Certifications

ISO 9001:2015 Certificate No.11049
 ISO 14001:2015 Certificate No.11049
 ISO 13485:2016 Certificate No.17-B-0205 IGC
 CE Approved
 UL Authorization
 CB Authorization
 RoHS Compliance



AYC / AZC / AIC Series 2W to 3W

() AC-DC ITE Power Module

Features

- * Power Module for PCB Mountable
- * Universal Input Range 90-305VAC / 90-264VAC (AIC)
- * Low No-Load Power Consumption < 0.3W
- * Cooling by free air convection
- * Wide Operating Temperature: -40°C~+80°C / -40°C~+85°C (AIC)
- * Low Ripple and Noise
- * Isolation Class II
- * I/O Isolation: 3000VAC / 3750VAC (AIC)
- * 3-Year Product Warranty



AYC 2 Watts



33.7 x 22.2 x 17.0 mm
1.33 x 0.87 x 0.67 inches

AZC 2 Watts



28.8 x 26.1 x 17.3 mm
1.13 x 1.03 x 0.68 inches

AIC 3 Watts

A Type

B Type



35.7 x 19.0 x 22.0 mm
1.41 x 0.75 x 0.86 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AYC	AZC	AIC
AC Input Voltage Range	90-305 VAC or 120-430 VDC		90-264 VAC or 120-370 VDC
AC Inrush Current	30 A max. (115 VAC) / 50 A max. (230 VAC)		20 A max. (115 VAC) / 50 A max. (230 VAC)
Leakage Current	0.25 mA (max.)		
Output Voltage Accuracy	±6%		±10%
Ripple & Noise (Vp-p.)	300mV (typ.)		3.3S:<250mV ; 5S:<200mV ; 9S:<150mV ; 12S,15S,24S:<100mV (typ.)
Over Power Protection	Hiccup technique, auto-recovery		
Over Voltage Protection	—		Zener diode clamp
Short Circuit Protection	Hiccup mode, indefinite (automatic recovery)		
Isolation (Input-Output)	3000 VAC		3750 VAC
Operating Temperature	-40 °C to +80 °C		-40 °C to +85 °C
Temperature Coefficient	±0.02%/°C		
Cooling Method	Free air convection		
Safety	UL / IEC / EN 60950-1		
EMI (Conducted & Radiated Emission)	EN 55032 Class B		
EMS (Noise Immunity)	EN 55024		

Model No.

▶▶ AYC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AYC-3.3S	90~305	3.3	600	66
AYC-5S	90~305	5	400	70
AYC-9S	90~305	9	222	73
AYC-12S	90~305	12	167	73
AYC-15S	90~305	15	133	73
AYC-24S	90~305	24	83	75

▶▶ AIC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AIC-3.3S A / 3.3S B	90~264	3.3	900	69
AIC-5S A / 5S B	90~264	5	600	71
AIC-9S A / 9S B	90~264	9	333	76
AIC-12S A / 12S B	90~264	12	250	76
AIC-15S A / 15S B	90~264	15	200	76
AIC-24S A / 24S B	90~264	24	125	77

▶▶ AZC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AZC-3.3S	90~305	3.3	600	66
AZC-5S	90~305	5	400	70
AZC-9S	90~305	9	222	73
AZC-12S	90~305	12	167	73
AZC-15S	90~305	15	133	73
AZC-24S	90~305	24	83	75

AOC / Aoch Series 4W

() AC-DC ITE Power Module

Features

- * Power Module for PCB Mountable
- * Universal Input Range 90-305VAC / 90-264VAC (AOC)
- * Single and Dual Output
- * Low No-Load Power Consumption < 0.3W
- * Cooling by free air convection
- * Wide Operating Temperature: -40°C ~ +70°C
- * Low Ripple and Noise
- * Isolation Class II
- * I/O Isolation: 3000VAC
- * 3-Year Product Warranty



AOC 4 Watts



37.0 x 27.5 x 17.5 mm
1.46 x 1.08 x 0.69 inches

Aoch 4 Watts



37.0 x 27.5 x 17.5 mm
1.46 x 1.08 x 0.69 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AOC	Aoch
AC Input Voltage Range	90-264 VAC or 120-370 VDC	90-305 VAC or 120-430 VDC
AC Inrush Current	15 A max. (115 VAC) / 25 A max. (230 VAC)	
Leakage Current	0.25 mA (max.)	
Output Voltage Accuracy	Single: ±2% Dual: Vo: ±2% Vr: ±5%	
Ripple & Noise (Vp-p.)	3.3S,5S:<250mV ; 8S,9S,5S3.3S:<200mV ; 12S,14S,8S5S:<150mV ; 15S,24S,12S5S:<100mV (max.)	
Over Power Protection	Hiccup technique, auto-recovery	
Short Circuit Protection	Hiccup mode, indefinite (automatic recovery)	
Isolation (Input-Output)	3000 VAC	
Operating Temperature	-40 °C to +70 °C	
Temperature Coefficient	±0.02%/°C	
Cooling Method	Free air convection	
Safety	UL / IEC / EN 60950-1	
EMI (Conducted & Radiated Emission)	EN 55032 Class B	
EMS (Noise Immunity)	EN 55024	

Model No.

▶▶ AOC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AOC-3.3S	90~264	3.3	1200	68
AOC-5S	90~264	5	800	72
AOC-8S	90~264	8	500	74
AOC-9S	90~264	9	444	75
AOC-12S	90~264	12	333	76
AOC-14S	90~264	14	286	76
AOC-15S	90~264	15	267	76
AOC-24S	90~264	24	167	77

▶▶ AOC Dual Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AOC-5S3.3S	90~264	Vo:5 Vr:3.3	600 / 150	72
AOC-8S5S	90~264	Vo:8 Vr:5	375 / 120	74
AOC-12S5S	90~264	Vo:12 Vr:5	250 / 120	75

▶▶ Aoch Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
Aoch-3.3S	90~305	3.3	1200	68
Aoch-5S	90~305	5	800	72
Aoch-8S	90~305	8	500	74
Aoch-9S	90~305	9	444	75
Aoch-12S	90~305	12	333	76
Aoch-14S	90~305	14	286	76
Aoch-15S	90~305	15	267	76
Aoch-24S	90~305	24	167	77

▶▶ Aoch Dual Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
Aoch-5S3.3S	90~305	Vo:5 Vr:3.3	600 / 150	72
Aoch-8S5S	90~305	Vo:8 Vr:5	375 / 120	74
Aoch-12S5S	90~305	Vo:12 Vr:5	250 / 120	75

AHCH05 / AOCH05 / AUC Series 5W to 7W

() AC-DC ITE Power Module

Features

- * Ultra Compact Power Module for PCB Mountable
- * Universal Input Range 90-305VAC / 90-264VAC (AUC)
- * Low No-Load Power Consumption < 0.1W
- * Cooling by free air convection
- * Low Ripple and Noise

- * Wide Operating Temperature: -40°C ~ +70°C / -40°C ~ +85°C (AHCH05)
- * I/O Isolation: 4000VAC / 3000VAC (AUC)
- * 3-Year Product Warranty



(AUC N/A)

AHCH05
5 Watts

NEW



51.82 x 26.42 x 16.51 mm
2.04 x 1.04 x 0.65 inches

() Household Power Module

AOCH05
5 Watts

NEW



37.0 x 27.5 x 17.5 mm
1.46 x 1.08 x 0.69 inches

AUC
7 Watts



27.4 x 27.4 x 18.7 mm
1.08 x 1.08 x 0.736 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AHCH05 NEW	AOCH05 NEW	AUC
AC Input Voltage Range	90-305 VAC or 127-430 VDC	ITE: 90-305 VAC or 120-430 VDC Household: 90-264 VAC or 120-370 VDC	90-264 VAC or 120-370 VDC
AC Inrush Current	30 A max. (115 VAC) / 60 A max. (230 VAC)		20 A max. (115 VAC) / 40 A max. (230 VAC)
Leakage Current	0.25 mA (max.)		
Output Voltage Accuracy	±2%		
Ripple (Vp-p.)	3.3S,5S:<100mV ; 12S:<150mV ; 24S:<200mV (max.)		24S:<200mV ; others:<100mV
Noise (Vp-p.)	3.3S,5S:<100mV ; 12S:<150mV ; 24S:<200mV (max.)		24S:<200mV ; others:<150mV
Over Power Protection	Hiccup mode, indefinite (automatic recovery) ≥115% Io		Hiccup technique, auto-recovery
Over Voltage Protection	Zener diode clamp		—
Short Circuit Protection	Hiccup mode, indefinite (automatic recovery)		
Isolation (Input-Output)	4000 VAC		3000 VAC
Operating Temperature	-40 °C to +85 °C	-40 °C to +70 °C	-40 °C to +70 °C
Temperature Coefficient	±0.02%/°C		
Cooling Method	Free air convection		
Safety	UL / IEC / EN 62368-1, IEC / EN 60950-1 meet TUV IEC / EN 60335-1, TUV IEC / EN 61558-2-16	UL / IEC / EN 62368-1, IEC / EN 60950 TUV IEC / EN 60335-1, TUV IEC / EN 61558-2-16	UL / IEC / EN 60950-1
EMI (Conducted & Radiated Emission)	EN 55032 Class B		
EMS (Noise Immunity)	EN 55035		EN 55024

Model No.

▶▶ AHCH05 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AHCH05-3.3S	90~305	3.3	1515	73
AHCH05-5S	90~305	5	1000	76
AHCH05-12S	90~305	12	420	80
AHCH05-24S	90~305	24	210	82

▶▶ AOCH05 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AOCH05-3.3S	90~305	3.3	1515	73
AOCH05-5S	90~305	5	1000	77
AOCH05-12S	90~305	12	420	81
AOCH05-24S	90~305	24	210	83

▶▶ AUC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AUC-5S	90~264	5	1260	77
AUC-12S	90~264	12	583	80
AUC-15S	90~264	15	466	80
AUC-24S	90~264	24	292	80

AHC08 / ALC Series 8W

() AC-DC ITE Power Module

Features

- * Power Module for PCB Mountable
- * Universal Input Range 90-305VAC
- * Single and Dual Output
- * Low No-Load Power Consumption < 0.3W
- * Cooling by free air convection

- * Wide Operating Temperature: -40°C ~ +70°C
- * Low Ripple and Noise
- * Isolation Class II
- * I/O Isolation: 3000VAC
- * 3-Year Product Warranty



AHC08 8 Watts



52.2 x 26.8 x 19.0 mm
2.055 x 1.055 x 0.75 inches

ALC 8 Watts



37.66 x 28.16 x 27.5 mm
1.48 x 1.11 x 1.08 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AHC08	ALC
AC Input Voltage Range	90-305 VAC or 120-430 VDC	
AC Inrush Current	25 A max. (115 VAC) / 45 A max. (230 VAC)	
Leakage Current	0.25 mA (max.)	
Output Voltage Accuracy	Single: ±2% 5S3.3S: Vo: ±2% Vr: ±15% others: Vo: ±2% Vr: ±5%	Single: ±2% 5S3.3S: Vo: ±2% Vr: ±15% others: Vo: ±2% Vr: ±10%
Ripple (Vp-p.)	24S: <150mV ; others: <100mV (max.)	
Noise (Vp-p.)	24S: <200mV ; others: <150mV (max.)	
Over Power Protection	Hiccup technique, auto-recovery	
Over Voltage Protection	Zener diode clamp	
Short Circuit Protection	Hiccup mode, indefinite (automatic recovery)	
Isolation (Input-Output)	3000 VAC	
Operating Temperature	-40 °C to +70 °C	
Temperature Coefficient	±0.02%/°C	
Cooling Method	Free air convection	
Safety	UL / EN 60950-1	
EMI (Conducted & Radiated Emission)	EN 55032 Class B	
EMS (Noise Immunity)	EN 55024	

Model No.

▶▶ AHC08 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AHC08-3.3S	90~305	3.3	2000	69
AHC08-3.8S	90~305	3.8	2100	71
AHC08-5S	90~305	5	1600	72
AHC08-8S	90~305	8	1000	79
AHC08-9S	90~305	9	888	79
AHC08-12S	90~305	12	666	79
AHC08-14S	90~305	14	571	80
AHC08-15S	90~305	15	533	80
AHC08-24S	90~305	24	335	81

▶▶ AHC08 Dual Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AHC08-5S3.3S	90~305	Vo:5 Vr:3.3	1600 / 310	71
AHC08-8S5S	90~305	Vo:8 Vr:5	1000 / 150	77
AHC08-12S5S	90~305	Vo:12 Vr:5	666 / 200	78
AHC08-12S7.5S	90~305	Vo:12 Vr:7.5	560 / 250	78

▶▶ ALC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ALC-3.3S	90~305	3.3	2000	69
ALC-5S	90~305	5	1600	75
ALC-8S	90~305	8	1000	78
ALC-9S	90~305	9	888	79
ALC-12S	90~305	12	666	79
ALC-14S	90~305	14	571	80
ALC-15S	90~305	15	533	80
ALC-24S	90~305	24	335	81

▶▶ ALC Dual Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ALC-5S3.3S	90~305	Vo:5 Vr:3.3	1600 / 310	73
ALC-8S5S	90~305	Vo:8 Vr:5	1000 / 100	78
ALC-12S5S	90~305	Vo:12 Vr:5	666 / 100	79

AHCH10 / AOCH10 / AOD10 Series 10W

() AC-DC ITE Power Module

Features

- * Ultra Compact Power Module for PCB Mountable
- * Universal Input Range 90-305VAC / 90-264VAC (AOD10)
- * Low No-Load Power Consumption < 0.1W
- * Cooling by free air convection
- * Low Ripple and Noise

- * Wide Operating Temperature: -40°C~+70°C / -40°C~+85°C (AHCH10)
- * Isolation Class II
- * I/O Isolation: 4000VAC / 3000VAC (AOD10)
- * 3-Year Product Warranty



(AHCH10 N/A)

AHCH10
10 Watts

NEW



52.2 x 26.8 x 19.0 mm
2.055 x 1.055 x 0.75 inches

() Household Power Module

AOCH10
10 Watts

NEW



37.0 x 27.5 x 20.0 mm
1.46 x 1.08 x 0.79 inches

() Household Power Module

AOD10
10 Watts



37.0 x 27.5 x 20.0 mm
1.46 x 1.08 x 0.79 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AHCH10 NEW	AOCH10 NEW	AOD10
AC Input Voltage Range	90-305 VAC or 120-430 VDC	ITE: 90-305 VAC or 120-430 VDC Household: 90-264 VAC or 120-370 VDC	90-264 VAC or 120-370 VDC
AC Inrush Current	30 A max. (115 VAC) / 60 A max. (230 VAC)		
Leakage Current	0.25 mA (max.)		
Output Voltage Accuracy	±2%		
Ripple & Noise (Vp-p.)	5S,12S:<100mV ; 15S,24S:<150mV (max.)	5S,12S:<150mV ; 15S:<160mV ; 24S:1% Vout (max.)	
Over Power Protection	Hiccup technique, auto-recovery		
Over Voltage Protection	Zener diode clamp		
Short Circuit Protection	Hiccup mode, indefinite (automatic recovery)		
Isolation (Input-Output)	4000 VAC		3000 VAC
Operating Temperature	-40 °C to +85 °C	-40 °C to +70 °C	-40 °C to +70 °C
Temperature Coefficient	±0.02%/°C		
Cooling Method	Free air convection		
Safety	UL / IEC / EN 62368-1, IEC / EN 60950 meet TUV IEC / EN 60335-1, TUV IEC / EN 61558-2-16	UL / IEC / EN 62368-1, IEC / EN 60950 TUV IEC / EN 60335-1, TUV IEC / EN 61558-2-16	UL / cUL / IEC / EN 60950-1, TUV IEC / EN 60335-1
EMI (Conducted & Radiated Emission)	EN 55032 Class B		
EMS (Noise Immunity)	EN 55035		EN 55024

Model No.

▶▶ AHCH10 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AHCH10-5S	90~305	5	2000	80.5
AHCH10-12S	90~305	12	833	85
AHCH10-15S	90~305	15	667	86
AHCH10-24S	90~305	24	417	85.5

▶▶ AOCH10 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AOCH10-5S	90~305	5	2000	81
AOCH10-12S	90~305	12	833	85
AOCH10-15S	90~305	15	667	86
AOCH10-24S	90~305	24	417	86

▶▶ AOD10 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AOD10-5S	90~264	5	2000	80
AOD10-12S	90~264	12	833	84
AOD10-15S	90~264	15	667	85
AOD10-24S	90~264	24	417	85

AVC / APCN / ATCN / MFC15 Series 15W

() AC-DC ITE Power Module

Features

- * Ultra Compact Power Module for PCB Mountable
- * Universal Input Range 90-264VAC
- * Low No-Load Power Consumption < 0.1W / < 0.3W (ATCN & APCN)
- * Cooling by free air convection
- * Low Ripple and Noise

- * Wide Operating Temperature: -40°C ~ +70°C / -40°C ~ +80°C (MFC15)
- * Medical safety approved, 2xMOPP (MFC15)
- * Isolation Class II
- * I/O Isolation: 4000VAC
- * 3-Year Product Warranty

 Medical Power Module

AVC,APCN,ATCN



MFC15



AVC 15 Watts	APCN 15 Watts	ATCN 15 Watts	MFC15 15 Watts
			
41.2 x 27.2 x 19.1 mm 1.62 x 1.07 x 0.75 inches	54.7 x 44.9 x 21.0 mm 2.15 x 1.77 x 0.82 inches	64.3 x 45.1 x 21.7 mm 2.53 x 1.78 x 0.85 inches	52.5 x 27.5 x 23.5 mm 2.07 x 1.08 x 0.93 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AVC	APCN	ATCN	MFC15
AC Input Voltage Range	90-264 VAC or 120-370 VDC			
AC Inrush Current	25 A max. (115 VAC) / 45 A max. (230 VAC)	15 A max. (115 VAC) / 30 A max. (230 VAC)		20 A max. (115 VAC) / 40 A max. (230 VAC)
Leakage Current	0.25 mA (max.)			<0.1 mA
Output Voltage Accuracy	±2%			
Ripple & Noise (Vp-p.)	5S:100mV ; 12S:120mV ; 15S:150mV ; 24S:240mV (typ.)	5S:100mV ; 12S:120mV ; 15S:200mV ; 24S:240mV (typ.)		5S,9S Ripple:75mV ; 5S,9S Noise:120mV ; others:1% Vout (max.)
Over Power Protection	Hiccup technique, auto-recovery			
Over Voltage Protection	Zener diode clamp			
Short Circuit Protection	Hiccup mode, indefinite (automatic recovery)			
Isolation (Input-Output)	4000 VAC			
Operating Temperature	-40 °C to +70 °C			-40 °C to +80 °C
Temperature Coefficient	±0.05%/°C	±0.02%/°C		±0.05%/°C
Cooling Method	Free air convection			
Safety	AVC / ATCN / APCN: UL / IEC / EN 60950-1 MFC15: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP), UL / IEC / EN 60950 Am2			
EMI (Conducted & Radiated Emission)	EN 55032 Class B			EN 55011 Class B
EMS (Noise Immunity)	EN 55024			EN 60601-1-2 4th Edition

Model No.

▶▶ AVC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AVC-5S	90~264	5	2700	80
AVC-12S	90~264	12	1250	84
AVC-15S	90~264	15	1000	84
AVC-24S	90~264	24	625	85

▶▶ APCN Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
APCN-5S	90~264	5	3000	78
APCN-12S	90~264	12	1250	82
APCN-15S	90~264	15	1000	81
APCN-24S	90~264	24	625	82

▶▶ ATCN Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ATCN-5S	90~264	5	3000	78
ATCN-12S	90~264	12	1250	82
ATCN-15S	90~264	15	1000	81
ATCN-24S	90~264	24	625	82

▶▶ MFC15 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MFC15-5S	90~264	5	3000	79
MFC15-9S	90~264	9	1666	80
MFC15-12S	90~264	12	1250	84
MFC15-15S	90~264	15	1000	84
MFC15-24S	90~264	24	625	85

AFC20 / AKC / MZC20 Series 20W

() AC-DC ITE Power Module

Features

- * Switching Power Module for PCB Mountable
- * Universal Input Range 90-264VAC
- * Regulated Single, Dual, and Triple Output (AKC)
- * Low No-Load Power Consumption (see spec. sheet)
- * Cooling by free air convection
- * Wide Operating Temperature (see spec. sheet)
- * Low Ripple and Noise
- * Medical safety approved, 2xMOPP (MZC20)
- * Isolation Class II (AKC N/A)
- * I/O Isolation: 3000VAC / 4000VAC (MZC20)
- * 3-Year Product Warranty

() Medical Power Module

AFC20



AFC20
20 Watts



52.5 x 27.5 x 23.5 mm
2.07 x 1.08 x 0.93 inches

AKC



AKC
20 Watts



69.5 x 47.5 x 21.7 mm
2.73 x 1.87 x 0.85 inches

MZC20



MZC20
20 Watts



52.5 x 27.5 x 23.5 mm
2.07 x 1.08 x 0.93 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AFC20	AKC	MZC20
AC Input Voltage Range	90-264 VAC or 120-370 VDC	90-264 VAC or 100-375 VDC	90-264 VAC or 120-370 VDC
AC Inrush Current	20 A max. (115 VAC) / 40 A max. (230 VAC)	30 A max. (115 VAC) / 50 A max. (230 VAC)	20 A max. (115 VAC) / 40 A max. (230 VAC)
Leakage Current	0.25 mA		<0.1 mA
Output Voltage Accuracy	±2%	Single, Dual: ±2% Triple: ±2% / ±5%	±2%
Ripple (Vp-p.)	3.3S, 5S: 75mV ; others: 1% Vout (max.)	<0.2% Vout +40mV (max.)	12S: 150mV ; 24S: 240mV
Noise (Vp-p.)	3.3S, 5S: 120mV ; others: 1% Vout (max.)	<0.5% Vout +40mV (max.)	12S: 150mV ; 24S: 240mV
Over Power Protection	Hiccup technique, auto-recovery	—	Hiccup technique, auto-recovery
Over Voltage Protection	Zener diode clamp		
Over Current Protection	—	Above 105% rated output power	—
Short Circuit Protection	Hiccup mode, indefinite (automatic recovery)		
Isolation (Input-Output)	3000 VAC		4000 VAC
Operating Temperature	-40 °C to +70 °C	-25 °C to +70 °C	-40 °C to +80 °C
Temperature Coefficient	±0.02%/°C		±0.05%/°C
Cooling Method	Free air convection		
Safety	AFC20 / AKC: UL / IEC / EN 60950-1 MZC20: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP), UL / IEC / EN 60950 Am2		
EMI (Conducted & Radiated Emission)	EN 55032 Class B		EN 55011 Class B
EMS (Noise Immunity)	EN 55024		EN 60601-1-2 4th Edition

Model No.

▶▶ AFC20 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AFC20-3.3S	90~264	3.3	3600	74
AFC20-5S	90~264	5	3600	78
AFC20-12S	90~264	12	1660	82
AFC20-15S	90~264	15	1330	83
AFC20-24S	90~264	24	833	83

▶▶ AKC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AKC-3.3S	90~264	3.3	4500	75
AKC-5S	90~264	5	4000	79
AKC-7.35S	90~264	7.35	2730	82
AKC-9S	90~264	9	2230	82
AKC-12S	90~264	12	1670	83
ALC-15S	90~264	15	1340	83
AKC-24S	90~264	24	840	84

▶▶ AKC Dual Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AKC-5D	90~264	±5	±2000	79
AKC-12D	90~264	±12	±833	82
AKC-15D	90~264	±15	±667	82

▶▶ AKC Triple Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AKC-5S12D	90~264	5 / ±12	2800 / ±250	81
AKC-5S15D	90~264	5 / ±15	2800 / ±200	81

▶▶ MZC20 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MZC20-12S	90~264	12	1667	83
MZC20-24S	90~264	24	833	82

AFCH25 / ATC30 / ATCH30 / MTC30 Series 25 to 30W

() AC-DC ITE Power Module

Features

- * Ultra Compact Power Module for PCB Mountable
- * Universal Input Range 90-305VAC / 90-264VAC (MTC30)
- * Low No-Load Power Consumption (see spec. sheet)
- * Cooling by free air convection
- * Wide Operating Temperature (see spec. sheet)
- * Low Ripple and Noise
- * Medical safety approved, 2xMOPP (MTC30)
- * Isolation Class II
- * I/O Isolation: 4000VAC / 3000VAC (ATC30)
- * 3-Year Product Warranty

AFCH25, ATCH30



ATC30



MTC30



() Household Power Module

AFCH25
25 Watts



52.5 x 27.5 x 23.5 mm
2.07 x 1.08 x 0.93 inches

ATC30
30 Watts



64.1 x 45.6 x 23.5 mm
2.52 x 1.8 x 0.93 inches

() Household Power Module () Medical Power Module

ATCH30
30 Watts



64.3 x 45.1 x 21.7 mm
2.53 x 1.78 x 0.85 inches

MTC30
30 Watts



64.1 x 45.6 x 23.5 mm
2.52 x 1.8 x 0.93 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AFCH25 NEW	ATC30	ATCH30 NEW	MTC30
AC Input Voltage Range	90-305 VAC or 120-430 VDC			90-264 VAC or 120-370 VDC
AC Inrush Current	30 A max. (115 VAC) / 60 A max. (230 VAC)			
Leakage Current	0.25 mA (max.)			<0.1 mA
Output Voltage Accuracy	±2%			
Ripple & Noise (Vp-p.)	5.1S:120mV ; 12S:150mV ; 15S:160mV 24S:240mV (max.)	3.3S,5S:100mV ; 12S,15S:150mV ; 24S:240mV (max.)	5.1S:120mV ; 12S,15S:150mV ; 24S:240mV (max.)	5S:100mV ; 12S,15S:150mV ; 24S:240mV (max.)
Over Power Protection	Hiccup technique, auto-recovery			
Over Voltage Protection	Zener diode clamp			
Short Circuit Protection	Hiccup mode, indefinite (automatic recovery)			
Isolation (Input-Output)	4000 VAC	3000 VAC	4000 VAC	4000 VAC
Operating Temperature	-40 °C to +70 °C	-40 °C to +70 °C	-40 °C to +85 °C	-40 °C to +80 °C
Temperature Coefficient	±0.05%/°C	±0.02%/°C	±0.02%/°C	±0.05%/°C
Cooling Method	Free air convection			
Safety	AFCH25, ATCH30: UL / IEC / EN 62368-1, IEC / EN 60950, IEC / EN 60335-1, IEC / EN 61558-2-16 ATC30: UL / IEC / EN 60950-1 MTC30: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP), UL / IEC / EN 60950 Am2			
EMI (Conducted & Radiated Emission)	EN 55032 Class B			EN 55011 Class B
EMS (Noise Immunity)	EN 55035	EN 55024	EN 55035	EN 60601-1-2 4th Edition

Model No.

▶▶ AFCH25 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AFCH25-5.1S	90~305	5.1	3922	84
AFCH25-12S	90~305	12	2083	88
AFCH25-15S	90~305	15	1666	88
AFCH25-24S	90~305	24	1042	87

▶▶ ATC30 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ATC30-3.3S	90~305	3.3	5000	80
ATC30-5S	90~305	5	5000	84
ATC30-12S	90~305	12	2500	89
ATC30-15S	90~305	15	2000	86
ATC30-24S	90~305	24	1250	86

▶▶ ATCH30 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ATCH30-5.1S	90~305	5.1	4600	84
ATCH30-12S	90~305	12	2500	88
ATCH30-15S	90~305	15	2000	87
ATCH30-24S	90~305	24	1250	86

▶▶ MTC30 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MTC30-5S	90~264	5	5000	84
MTC30-12S	90~264	12	2500	89
MTC30-15S	90~264	15	2000	86
MTC30-24S	90~264	24	1250	86

AJC / ANC50 / ANCH50 Series 40 to 50W

(🏠) AC-DC ITE Power Module

Features

- * Power Module for PCB Mountable
- * Universal Input Range 90-264VAC / 90-305VAC (ANCH50)
- * Regulated Single, Dual, and Triple Output (AJC)
- * Low No-Load Power Consumption
- * Cooling by free air convection
- * Wide Operating Temperature: -40°C ~ +70°C
- * Low Ripple and Noise
- * Isolation Class II
- * I/O Isolation: 3000VAC / 4000VAC (ANCH50)
- * 3-Year Product Warranty



AJC
40 Watts



89.5 x 64.1 x 25.0 mm
3.52 x 2.52 x 0.98 inches

ANC50
50 Watts



74.1 x 54.1 x 21.8 mm
2.91 x 2.13 x 0.86 inches

(🏠) Household Power Module

ANCH50
50 Watts



74.2 x 47.0 x 23.1 mm
2.92 x 1.85 x 0.91 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AJC	ANC50	ANCH50 NEW
AC Input Voltage Range	90-264 VAC or 100-375 VDC	90-264 VAC or 120-370 VDC	ITE: 90-305 VAC or 120-430 VDC Household: 90-264 VAC or 120-370 VDC
AC Inrush Current	30 A max. (115 VAC) / 50 A max. (230 VAC)	40 A max. (115 VAC) / 60 A max. (230 VAC)	45 A max. (115 VAC) / 90 A max. (230 VAC)
Leakage Current	0.75 mA	0.25 mA	
Output Voltage Accuracy	3.3S: ±3%; 5S~24S, Dual: ±2%; 5S12S, 5S24S, Triple: ±3% / ±5%	±2%	
Ripple & Noise (Vp-p.)	3.3S: 50mV ; others: 1% Vout	5S, 12S: 120mV ; 15S: 150mV ; 24S: 240mV ; 48S: 480mV	12S: 120mV ; 15S: 150mV ; 24S: 240mV (max.)
Over Power Protection	—	Hiccup technique, auto-recovery	
Over Voltage Protection	Zener diode clamp		
Over Current Protection	Above 105% rated output power	—	
Short Circuit Protection	Hiccup mode, indefinite (automatic recovery)		
Isolation (Input-Output)	3000 VAC	4000 VAC	
Operating Temperature	-40 °C to +70 °C		
Temperature Coefficient	±0.01%/°C	±0.02%/°C	±0.05%/°C
Cooling Method	Free air convection		
Safety	AJC / ANC50: UL / IEC / EN 60950-1 ANCH50: UL / IEC / EN 62368-1, IEC / EN 60950, IEC / EN 60335-1, IEC / EN 61558-2-16		
EMI (Conducted & Radiated Emission)	EN 55032 Class B		EN 55011 Class B
EMS (Noise Immunity)	EN 55024		EN 55035

Model No.

▶▶ AJC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AJC-3.3S	90~264	3.3	8000	74
AJC-5S	90~264	5	8000	81
AJC-9S	90~264	9	4444	82
AJC-12S	90~264	12	3333	84
AJC-15S	90~264	15	2666	83
AJC-24S	90~264	24	1667	83

▶▶ AJC Dual Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AJC-5D	90~264	±5	±4000	81
AJC-12D	90~264	±12	±1666	83
AJC-15D	90~264	±15	±1333	83
AJC-5S12S	90~264	5 / 12	5000 / 1250	82
AJC-5S24S	90~264	5 / 24	5000 / 625	82

▶▶ AJC Triple Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AJC-5S12D	90~264	5 / ±12	5000 / ±600	80
AJC-5S15D	90~264	5 / ±15	5000 / ±500	81

▶▶ ANC50 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ANC50-5S	90~264	5	8000	86
ANC50-12S	90~264	12	4167	90
ANC50-15S	90~264	15	3333	87
ANC50-24S	90~264	24	2083	88
ANC50-48S	90~264	48	1040	89

▶▶ ANCH50 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ANCH50-12S	90~305	12	4167	89
ANCH50-15S	90~305	15	3333	88
ANCH50-24S	90~305	24	2083	88

AEC60 / ARC60 / MSC60 Series 60W

() AC-DC ITE Power Module

Features

- * Ultra Compact Size
- * Power Module for PCB Mountable
- * Universal Input Range 90-264VAC
- * Low No-Load Power Consumption (see spec. sheet)
- * Cooling by free air convection

- * Low Ripple and Noise
- * Medical safety approved, 2xMOPP (MSC60)
- * Isolation Class II (AEC60 Class I)
- * I/O Isolation: 4000VAC
- * 3-Year Product Warranty

() Household Power Module

() Medical Power Module



AEC60
60 Watts



109.0 x 58.5 x 30.0 mm
4.3 x 2.3 x 1.18 inches

ARC60
60 Watts



74.2 x 47.0 x 23.1 mm
2.92 x 1.85 x 0.91 inches

MSC60
60 Watts



89.0 x 63.5 x 27.0 mm
3.5 x 2.5 x 1.06 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AEC60	ARC60 NEW	MSC60
AC Input Voltage Range	90-264 VAC or 120-370 VDC		
AC Inrush Current	30 A max. (115 VAC) / 50 A max. (230 VAC)	45 A max. (115 VAC) / 90 A max. (230 VAC)	55 A max. (115 VAC) / 95 A max. (230 VAC)
Leakage Current	0.5 mA	0.25 mA	<0.1 mA
Output Voltage Accuracy	±2%		
Ripple & Noise (Vp-p.)	Ripple: <0.2% Vout+40mV ; Noise: <0.5% Vout+50mV ;	12S:120mV ; 15S:150mV ; 24S:240mV	5S,9S:100mV ; others:1% Vout
Over Power Protection	Auto-recovery		
Over Voltage Protection	Zener diode clamp		
Over Current Protection	—		Auto-recovery
Short Circuit Protection	Auto-recovery	Hiccup mode, indefinite (automatic recovery)	
Isolation (Input-Output)	4000 VAC		
Operating Temperature	-40 °C to +70 °C	-40 °C to +85 °C	-40 °C to +80 °C
Temperature Coefficient	±0.02%/°C	±0.05%/°C	
Cooling Method	Free air convection		
Safety	AEC60: UL / EN 60950-1 ARC60: UL / IEC / EN 62368-1, IEC / EN 60950, IEC / EN 60335-1, IEC / EN 61558-2-16 MSC60: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP), UL / IEC / EN 60950 Am2		
EMI (Conducted & Radiated Emission)	EN 55032 Class B		EN 55011 Class B
EMS (Noise Immunity)	EN 55024	EN 55035	EN 60601-1-2 4th Edition

Model No.

▶▶ AEC60 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AEC60-5S	90~264	5	10,000	82
AEC60-9S	90~264	9	6660	84
AEC60-12S	90~264	12	5000	86
AEC60-15S	90~264	15	4000	86
AEC60-24S	90~264	24	2500	86
AEC60-48S	90~264	48	1250	86

▶▶ ARC60 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ARC60-12S	90~264	12	5000	90
ARC60-15S	90~264	15	4000	90
ARC60-24S	90~264	24	2500	89

▶▶ MSC60 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MSC60-5S	90~264	5.1	10000	86
MSC60-9S	90~264	9	6666	87
MSC60-12S	90~264	12	5000	88
MSC60-15S	90~264	15	4000	86
MSC60-24S	90~264	24	2500	87

AQC100 / MQC150 Series 100 to 150W

() AC-DC ITE Power Module

Features

- * Power Module for PCB Mountable
- * Universal Input Range 90-264VAC
- * High Efficiency up to 93%
- * Low Leakage Current (see spec. sheet)
- * Remote ON/OFF Control (AQC100)
- * Cooling by free air convection
- * Low Ripple and Noise
- * Medical safety approved, 2xMOPP (MQC150)
- * EMI for Both Class I (with FG) and Class II (without FG) Configuration
- * I/O Isolation: 4000VAC or 5656VDC (MQC150) / 3000VAC (AQC100)
- * 3-Year Product Warranty

AQC100



MQC150



AQC100

100 Watts



109.0 x 58.5 x 30.0 mm
4.3 x 2.3 x 1.18 inches

() Medical Power Module

MQC150

150 Watts



109.0 x 58.5 x 35.0 mm
4.3 x 2.3 x 1.38 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AQC100	MQC150
AC Input Voltage Range	90-264 VAC or 120-370 VDC	90-264 VAC
AC Inrush Current	30 A max. (115 VAC) / 60 A max. (230 VAC)	45 A max. (115 VAC) / 90 A max. (230 VAC)
Leakage Current	<0.5 mA (max.)	<0.1 mA
Output Voltage Accuracy	±2%	
Ripple & Noise (Vp-p.)	12S:120mV ; 15S:<150mV ; 24S:<200mV ; 48S:<240mV (max.)	1% Vout (max.)
Over Power Protection	Auto recovery, 105 ~ 250% rated output power	Auto recovery, Hiccup mode
Over Voltage Protection	Zener diode clamp	Auto recovery
Over Temperature Protection	—	Auto recovery
Short Circuit Protection	Auto recovery, Hiccup mode	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 (instantaneous high current) : Latch
Isolation (Input-Output)	3000 VAC	4000 VAC or 5656 VDC
Operating Temperature	-25 °C to +70 °C	-30 °C to +70 °C
Temperature Coefficient	±0.03%/°C	±0.05%/°C
Cooling Method	Free air convection	
Safety	UL / IEC / EN 60950-1	UL / IEC / EN 60601 3.1 st Edition (2 x MOPP), UL / IEC / EN 60950 Am2
EMI (Conducted & Radiated Emission)	EN 61000-6-3 Class B, EN 55032 Class B (Conductive plane to be connected to safety earth)	Conducted: EN 55011 Class B Radiated: EN 55011 Class I class B / Class II class A
EMS (Noise Immunity)	EN 55024, EN 61000-4-2,3,4,5,6,8,11	EN 60601-1-2 4th Edition

Model No.

▶▶ AQC100 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AQC100-12S	90~264	12	7080	90
AQC100-15S	90~264	15	5660	90
AQC100-24S	90~264	24	4200	92
AQC100-48S	90~264	48	2100	93

▶▶ MQC150 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MQC150-12S	90~264	12	12500	93
MQC150-24S	90~264	24	6250	93.5
MQC150-48S	90~264	48	3125	93.5

ABR300 Series 300W

() AC-DC ITE Power Module

Features

- * Power Module for PCB Mountable
- * Universal Input Range 90-264VAC
- * High Efficiency up to 91%
- * Full Brick Size with Base Plate
- * Over Current Protection
- * Over Voltage Protection
- * Over Temperature Protection
- * Short Circuit Protection
- * Remote Sense
- * Wide Operating Temperature -40°C ~ +100°C (On Aluminum Base Plate)
- * I/O Isolation: 3000VAC
- * 3-Year Product Warranty



ABR300

300 Watts



117.3 x 61.5 x 13.2 mm
4.62 x 2.42 x 0.52 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	ABR300
AC Input Voltage Range	90-264 VAC
AC Inrush Current	Limited by external resistance
Leakage Current	<0.75 mA (max.)
Output Voltage Accuracy	±2%
Output Trim	±5% Output Voltage
Ripple & Noise (Vp-p.)	12S:150mV ; 24S,28S:200mV ; 48S:300mV (max.)
Over Voltage Protection	Auto recovery
Over Temperature Protection	Auto recovery
Over Current Protection	Auto recovery
Short Circuit Protection	Auto recovery, Hiccup mode
Isolation (Input-Output)	3000 VAC
Operating Temperature	-40 °C to +100 °C (on Aluminum Base Plate)
Temperature Coefficient	±0.05%/°C (0~50 °C)
Cooling Method	Conduction cooling
Safety	UL / EN 60950-1

Model No.

▶▶ ABR300 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
ABR300-12S	90~264	12	25	90
ABR300-24S	90~264	24	12.5	90.5
ABR300-28S	90~264	28	11	90.5
ABR300-48S	90~264	48	6.25	91

AOCH05 / AOCH10 / AOD10 / AFCH25 Series 5W to 25W

(🏠) AC-DC Household Power Module

Features

- * Power Module for PCB Mountable
- * Universal Input Range 90-305VAC / 90-264VAC (AOD10)
- * Low No Load Power Consumption < 0.1W
- * Isolation Class II
- * I/O Isolation 4000VAC (AOD10 N/A)
- * Screw Terminal for Option (AFCH25 only)
- * 3-Year Product Warranty



ITE Power Module

AOCH05
5 Watts

NEW



37.0 x 27.5 x 17.5 mm
1.46 x 1.08 x 0.69 inches

ITE Power Module

AOCH10
10 Watts

NEW



37.0 x 27.5 x 20.0 mm
1.46 x 1.08 x 0.79 inches

ITE Power Module

AOD10
10 Watts



37.0 x 27.5 x 20.0 mm
1.46 x 1.08 x 0.79 inches

ITE Power Module

AFCH25
25 Watts

NEW



52.5 x 27.5 x 23.5 mm
2.07 x 1.08 x 0.93 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AOCH05 NEW	AOCH10 NEW	AOD10	AFCH25 NEW
	ITE: 90-305 VAC or 120-430 VDC		90-264 VAC or 120-370 VDC	90-305 VAC or 120-430 VDC
	Household: 90-264 VAC or 120-370 VDC			
AC Inrush Current	30 A max. (115 VAC) / 60 A max. (230 VAC)			
Leakage Current	0.25 mA (max.)			
Output Voltage Accuracy	±2%			
Ripple & Noise (Vp-p.) (max.)	3.3S,5S:<100mV ; 12S:<150mV ; 24S:<200mV	5S,12S:<150mV ; 15S:<160mV ; 24S:1% Vout		5S:<120mV ; 12S:<150mV ; 15S:<160mV ; 24S:<240mV ;
Over Power Protection	AOCH05: Hiccup mode, indefinite (automatic recovery) ≥115% Io AOCH10 / AOD10 / AFCH25: Hiccup technique, auto-recovery			
Over Voltage Protection	Zener diode clamp			
Short Circuit Protection	Hiccup mode, indefinite (automatic recovery)			
Isolation (Input-Output)	4000 VAC		3000 VAC	4000 VAC
Operating Temperature	-40 °C to +70 °C			
Temperature Coefficient	±0.02%/°C			±0.05%/°C
Cooling Method	Free air convection			
Safety	AOCH05 / AOCH10 / AFCH25: UL / IEC / EN 62368-1, IEC / EN 60950, TUV IEC / EN 60335-1, TUV IEC / EN 61558-2-16 AOD10: UL / cUL / IEC / EN 60950-1, TUV IEC / EN 60335-1			
EMI (Conducted & Radiated Emission)	EN 55032 Class B			
EMS (Noise Immunity)	EN 55035			

Model No.

▶▶ AOCH05 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AOCH05-3.3S	90~305	3.3	1515	73
AOCH05-5S	90~305	5	1000	77
AOCH05-12S	90~305	12	420	81
AOCH05-24S	90~305	24	210	83

▶▶ AOCH10 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AOCH10-5S	90~305	5	2000	81
AOCH10-12S	90~305	12	833	85
AOCH10-15S	90~305	15	667	86
AOCH10-24S	90~305	24	417	86

▶▶ AOD10 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AOD10-5S	90~264	5	2000	80
AOD10-12S	90~264	12	833	84
AOD10-15S	90~264	15	667	85
AOD10-24S	90~264	24	417	85

▶▶ AFCH25 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AFCH25-5.1S	90~305	5.1	3922	84
AFCH25-12S	90~305	12	2083	88
AFCH25-15S	90~305	15	1666	88
AFCH25-24S	90~305	24	1042	87

ATCH30 / ANCH50 / ARC60 Series 30W to 60W

(🏠) AC-DC Household Power Module

Features

- * Power Module for PCB Mountable
- * Universal Input Range 90-305VAC / 90-264VAC (ARC60)
- * Low No Load Power Consumption < 0.1W
- * High Efficiency up to 88% / 89% / 90%
- * Isolation Class II
- * I/O Isolation 4000VAC
- * Screw Terminal for Option
- * 3-Year Product Warranty



(ITE) ITE Power Module

ATCH30
30 Watts



64.3 x 45.1 x 21.7 mm
2.53 x 1.78 x 0.85 inches

(ITE) ITE Power Module

ANCH50
50 Watts



74.2 x 47.0 x 23.1 mm
2.92 x 1.85 x 0.91 inches

(ITE) ITE Power Module

ARC60
60 Watts



74.2 x 47.0 x 23.1 mm
2.92 x 1.85 x 0.91 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	ATCH30 NEW	ANCH50 NEW	ARC60 NEW
AC Input Voltage Range	90-305 VAC or 120-430 VDC	ITE: 90-305 VAC or 120-430 VDC Household: 90-264 VAC or 120-370 VDC	90-264 VAC or 120-370 VDC
AC Inrush Current	30 A max. (115 VAC) / 60 A max. (230 VAC)	45 A max. (115 VAC) / 90 A max. (230 VAC)	
Leakage Current	0.25 mA (max.)		
Output Voltage Accuracy	±2%		
Ripple & Noise (Vp-p.) (max.)	5.1S:<120mV ; 12S,15S:<150mV ; 24S:<240mV	12S:<120mV ; 15S:<150mV ; 24S:<240mV	
Over Power Protection	Hiccup technique, auto-recovery		Auto-recovery
Over Voltage Protection	Zener diode clamp		
Short Circuit Protection	Hiccup mode, indefinite (automatic recovery)		
Isolation (Input-Output)	4000 VAC		
Operating Temperature	-40 °C to +85 °C	-40 °C to +70 °C	-40 °C to +85 °C
Temperature Coefficient	±0.02%/°C	±0.05%/°C	
Cooling Method	Free air convection		
Safety	UL / IEC / EN 62368-1, IEC / EN 60950, TUV IEC / EN 60335-1, TUV IEC / EN 61558-2-16		
EMI (Conducted & Radiated Emission)	EN 55032 Class B		
EMS (Noise Immunity)	EN 55035		

Model No.

▶▶ ATCH30 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ATCH30-5.1S	90~305	5.1	4600	84
ATCH30-12S	90~305	12	2500	88
ATCH30-15S	90~305	15	2000	87
ATCH30-24S	90~305	24	1250	86

▶▶ ANCH50 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ANCH50-12S	90~305	12	4167	89
ANCH50-15S	90~305	15	3333	88
ANCH50-24S	90~305	24	2083	88

▶▶ ARC60 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ARC60-12S	90~264	12	5000	90
ARC60-15S	90~264	15	4000	90
ARC60-24S	90~264	24	2500	89

MFC15 / MTC / MZC20 Series 15W to 20W

(E) AC-DC Medical Power Module

Features

- * Power Module for PCB Mountable
- * Universal Input Range 90-264VAC
- * Regulated Single, Dual, and Triple Output (MTC)
- * High Efficiency (see spec. sheet)
- * Low Leakage Current < 0.1mA / 264 VAC (Touch Current)
- * Cooling by free air convection

- * Wide Operating Temperature -40°C~+80°C / -25°C~+70°C (MTC)
- * Low Ripple and Noise
- * Medical safety approved, 2XMOPP
- * Isolation Class II
- * I/O Isolation: 4000VAC
- * 3-Year Product Warranty



ITE Power Module

MFC15
15 Watts



52.5 x 27.5 x 23.5 mm
2.07 x 1.08 x 0.93 inches

MTC

15 Watts



64.1 x 45.6 x 23.5 mm
2.52 x 1.8 x 0.93 inches

ITE Power Module

MZC20
20 Watts



52.5 x 27.5 x 23.5 mm
2.07 x 1.08 x 0.93 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	MFC15	MTC	MZC20
AC Input Voltage Range	90-264 VAC or 120-370 VDC	90-264 VAC or 120-375 VDC	90-264 VAC or 120-370 VDC
AC Inrush Current	20 A max. (115 VAC) / 40 A max. (230 VAC)	10 A max. (115 VAC) / 20 A max. (230 VAC)	20 A max. (115 VAC) / 40 A max. (230 VAC)
Leakage Current	<0.1 mA		
Output Voltage Accuracy	±2%	Single, Dual: ±2% ; Triple: ±3% / ±5%	±2%
Ripple & Noise (Vp-p.)	5S, 9S Ripple: 75mV ; 5S, 9S Noise: 120mV ; others: 1% Vout (max.)	1% Vout	12S: 150mV ; 24S: 240mV
Over Power Protection	Hiccup technique, auto-recovery	—	Hiccup technique, auto-recovery
Over Voltage Protection	Zener diode clamp		
Over Current Protection	—	Above 105% rated output power	—
Short Circuit Protection	Hiccup mode, indefinite (automatic recovery)		
Isolation (Input-Output)	4000 VAC		
Operating Temperature	-40 °C to +80 °C	-40 °C to +70 °C	-40 °C to +80 °C
Temperature Coefficient	±0.05%/°C	±0.01%/°C	±0.05%/°C
Cooling Method	Free air convection		
Safety	UL / IEC / EN 60601 3.1 st Edition (2 x MOPP), UL / IEC / EN 60950 Am2		
EMI (Conducted & Radiated Emission)	EN 55011 Class B		
EMS (Noise Immunity)	EN 60601-1-2 4th Edition		

Model No.

►► MFC15 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MFC15-5S	90~264	5	3000	79
MFC15-9S	90~264	9	1666	80
MFC15-12S	90~264	12	1250	84
MFC15-15S	90~264	15	1000	84
MFC15-24S	90~264	24	625	85

►► MZC20 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MZC20-12S	90~264	12	1667	83
MZC20-24S	90~264	24	833	82

►► MTC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MTC-3.3S	90~264	3.3	3000	75
MTC-5S	90~264	5	3000	79
MTC-7.35S	90~264	7.35	2040	79
MTC-9S	90~264	9	1666	80
MTC-12S	90~264	12	1250	81
MTC-15S	90~264	15	1000	82
MTC-24S	90~264	24	625	83

►► MTC Dual Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MTC-5D	90~264	±5	±1500	79
MTC-12D	90~264	±12	±625	82
MTC-15D	90~264	±15	±500	82

►► MTC Triple Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MTC-5S12D	90~264	5 / ±12	2000 / ±200	78
MTC-5S15D	90~264	5 / ±15	2000 / ±150	78

MTC30 / MSC / MSC60 Series 30W to 60W

() AC-DC Medical Power Module

Features

- * Power Module for PCB Mountable
- * Universal Input Range 90-264VAC
- * Regulated Single, Dual, and Triple Output (MSC)
- * High Efficiency (see spec. sheet)
- * Low Leakage Current < 0.1mA / 264 VAC (Touch Current)
- * Cooling by free air convection

- * Wide Operating Temperature -40°C ~ +80°C / -25°C ~ +70°C (MSC)
- * Low Ripple and Noise
- * Medical safety approved, 2XMOPP
- * Isolation Class II
- * I/O Isolation: 4000VAC
- * 3-Year Product Warranty



 ITE Power Module

MTC30
30 Watts



64.1 x 45.6 x 23.5 mm
2.52 x 1.08 x 0.93 inches

MSC

40 Watts



89.0 x 63.5 x 27.0 mm
3.5 x 2.5 x 1.06 inches

 ITE Power Module

MSC60
60 Watts



89.0 x 63.5 x 27.0 mm
3.5 x 2.5 x 1.06 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	MTC30	MSC	MSC60
AC Input Voltage Range	90-264 VAC or 120-370 VDC	90-264 VAC or 100-375 VDC	90-264 VAC or 120-370 VDC
AC Inrush Current	30 A max. (115 VAC) / 60 A max. (230 VAC)	55 A max. (115 VAC) / 95 A max. (230 VAC)	
Leakage Current	<0.1 mA		
Output Voltage Accuracy	±2%	Single, Dual: ±2% ; 5S12S, 5S24S, Triple: ±3% / ±5%	±2%
Ripple & Noise (Vp-p.)	5S: 100mV ; 12S, 15S: 150mV ; 24S: 240mV (max.)	3.3S: 50mV ; others: 1% Vout	5S, 9S: 100mV ; others: 1% Vout (max.)
Over Power Protection	Hiccup technique, auto-recovery	—	
Over Voltage Protection	Zener diode clamp		
Over Current Protection	—	Above 105% rated output power	Automatic recovery
Short Circuit Protection	Hiccup mode, indefinite (automatic recovery)		
Isolation (Input-Output)	4000 VAC		
Operating Temperature	-40 °C to +80 °C	-40 °C to +70 °C	-40 °C to +80 °C
Temperature Coefficient	±0.05%/°C	±0.01%/°C	±0.05%/°C
Cooling Method	Free air convection		
Safety	UL / IEC / EN 60601 3.1 st Edition (2 x MOPP), UL / IEC / EN 60950 Am2		
EMI (Conducted & Radiated Emission)	EN 55011 Class B		
EMS (Noise Immunity)	EN 60601-1-2 4th Edition		

Model No.

►► MTC30 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MTC30-5S	90~264	5	5000	84
MTC30-12S	90~264	12	2500	89
MTC30-15S	90~264	15	2000	86
MTC30-24S	90~264	24	1250	86

►► MSC60 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MSC60-5S	90~264	5.1	10000	86
MSC60-9S	90~264	9	6666	87
MSC60-12S	90~264	12	5000	88
MSC60-15S	90~264	15	4000	86
MSC60-24S	90~264	24	2500	87

►► MSC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MSC-3.3S	90~264	3.3	8000	74
MSC-5S	90~264	5	8000	79
MSC-9S	90~264	9	4444	82
MSC-12S	90~264	12	3333	83
MSC-15S	90~264	15	2666	83
MSC-24S	90~264	24	1667	83

►► MSC Dual Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MSC-5D	90~264	±5	±4000	80
MSC-12D	90~264	±12	±1666	83
MSC-15D	90~264	±15	±1333	83
MSC-5S12S	90~264	5 / 12	5000 / 1250	80
MSC-5S24S	90~264	5 / 24	5000 / 625	80

►► MSC Triple Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MSC-5S12D	90~264	5 / ±12	5000 / ±600	79
MSC-5S15D	90~264	5 / ±15	5000 / ±500	79

MQCS100 / MQC150 Series 100W to 150W

(E) AC-DC Medical Power Module

Features

- * Power Module for PCB Mountable
- * Universal Input Range 90-264VAC
- * High Efficiency up to 90% (MQCS100) / 93.5% (MQC150)
- * Low Leakage Current < 0.1mA / 264 VAC (Touch Current)
- * Cooling by free air convection
- * Wide Operating Temperature -30°C~+70°C
- * Low Ripple and Noise
- * Medical safety approved, 2xMOPP
- * EMI for Both Class I (with PE) and Class II (without PE) Configuration
- * Suitable for BF Application with Appropriate System Consideration
- * I/O Isolation: 4000VAC
- * 3-Year Product Warranty

(E) ITE Power Module



MQCS100

100 Watts



83.9 x 58.5 x 35.0 mm
3.3 x 2.3 x 1.38 inches

MQC150

150 Watts



109.0 x 58.5 x 35.0 mm
4.3 x 2.3 x 1.38 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	MQCS100	MQC150
AC Input Voltage Range	90-264 VAC	
AC Inrush Current	40 A max. (115 VAC) / 70 A max. (230 VAC)	45 A max. (115 VAC) / 90 A max. (230 VAC)
Leakage Current	<0.1 mA	
Output Voltage Accuracy	±2%	
Ripple & Noise (Vp-p.)	12S:160mV ; others:1% Vout (max.)	1% Vout (max.)
Over Power Protection	Auto recovery, Hiccup mode	
Over Voltage Protection	Auto recovery, Hiccup mode	Auto recovery
Over Temperature Protection	Latch off	Auto recovery
Short Circuit Protection	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 (instantaneous high current) : Latch	
Isolation (Input-Output)	4000 VAC or 5656 VDC	
Operating Temperature	-30 °C to +70 °C	
Temperature Coefficient	±0.05%/°C	
Cooling Method	Free air convection	
Safety	UL / IEC / EN 60601 3.1 st Edition (2 x MOPP)	UL / IEC / EN 60601 3.1 st Edition (2 x MOPP), UL / IEC / EN 60950 Am2
EMI (Conducted & Radiated Emission)	Conducted: EN 55011 Class B Radiated: EN 55011 Class I class B / Class II class A	
EMS (Noise Immunity)	EN 60601-1-2 4th Edition	

Model No.

▶▶ MQCS100 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MQCS100-12S	90~264	12	8333	90
MQMCS100-24S	90~264	24	4167	90
MQCS100-48S	90~264	48	2083	90

▶▶ MQC150 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MQC150-12S	90~264	12	12500	93
MQC150-24S	90~264	24	6250	93.5
MQC150-48S	90~264	48	3125	93.5

Blank lined page for notes or calculations.

FA150 Series Suitable for 1W to 150W

(+) AC EMI Filter

Features

- * Current rating 1-2A
- * Very Compact PCB-mounting Design, Easy to Mount
- * To Enhance the Anti-interference Performance and Reduce CE and RE
- * Suitable for 1W~150W Power Products
- * 3-Year Product Warranty

FA150

Suitable for 1-150 Watts



46.0 x 25.0 x 23.5 mm

1.81 x 0.98 x 0.93 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series / Model No.	FA150-1	FA150-2	FA150-3
Rated Voltage	90-305 VAC		
Rated Current	2 A	2 A	1 A
Operating Frequency	47-63 Hz		
Hi Pot Rating	Line to Line	1800 VDC \leq 5 mA (1 min)	
	Line to Ground	2000 VAC \leq 5 mA (1 min)	
Circuit	Class I	Class II	Class II
Operating Temperature	-40 °C to +100 °C		
Storage Temperature	-40 °C to +100 °C		





AES60 / SAZ60 Series 60W

() AC-DC ITE Switching Power Supply

Features

- * Enclosed / Open Frame / U Bracket Package
- * Universal Input Range 90-264VAC
- * 5 VDC to 48 VDC Output
- * High Efficiency
- * Low Ripple and Noise
- * Cooling by free air convection
- * Wide Operating Temperature (see spec. sheet)
- * I/O Isolation: 4000VAC
- * CE, CB, UL Approvals (AES60E/O/U CB N/A)
- * 3-Year Product Warranty



AES60E / U 60 Watts	AES60O 60 Watts	SZA60O 60 Watts	SZA60U 60 Watts
			
105.0 x 58.0 x 38.1 mm 4.13 x 2.28 x 1.5 inches	103.9 x 52.1 x 25.4 mm 4.1 x 2.05 x 1.0 inches	76.3 x 50.6 x 31.5 mm 3.0 x 2.0 x 1.24 inches	80.0 x 59.7 x 38.0 mm 3.15 x 2.35 x 1.5 inches
Enclosed / U Bracket	Open Frame Type	Open Frame Type	U Bracket Type

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AES60E / AES60U / AES60O	SZA60O / SZA60U
AC Input Voltage Range	90-264 VAC or 127-370 VDC	
AC Inrush Current	35 A max. (115 VAC) / 50 A max. (230 VAC)	35 A max. (115 VAC) / 70 A max. (230 VAC)
Output Voltage Accuracy	±2%	
Output Trim	±10% Output Voltage	±5% Output Voltage
Ripple & Noise (Vp-p.)	Ripple: <0.2% Vout+40mV (max.) Noise: <0.5% Vout+50mV (max.)	5S:75mV ; 12S:100mV ; 15S:125mV ; 24S:150mV ; 48S:200mV (max.)
Over Power Protection	Auto recovery	
Over Voltage Protection	Zener diode clamp	
Short Circuit Protection	Auto recovery	
Isolation (Input-Output)	3000 VAC or 4242 VDC	
Operating Temperature	-40 °C to +70 °C	-30 °C to +70 °C
Temperature Coefficient	±0.02%/°C	
Cooling Method	Free air convection	
Safety	UL / EN 60950-1	UL / IEC / EN 60950-1
EMI (Conducted & Radiated Emission)	EN 55032 Class B	
EMS (Noise Immunity)	EN 55024	

Model No.

▶▶ AES60E / AES60O / AES60U Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AES60E-5S				
AES60O-5S	90~264	5	10,000	82
AES60U-5S				
AES60E-9S				
AES60O-9S	90~264	9	6660	84
AES60U-9S				
AES60E-12S				
AES60O-12S	90~264	12	5000	86
AES60U-12S				
AES60E-15S				
AES60O-15S	90~264	15	4000	86
AES60U-15S				
AES60E-24S				
AES60O-24S	90~264	24	2500	86
AES60U-24S				
AES60E-48S				
AES60O-48S	90~264	48	1250	86
AES60U-48S				

▶▶ SZA60O / SZA60U Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
SZA60O-5S				
SZA60U-5S	90~264	5	10000	81
SZA60O-12S				
SZA60U-12S	90~264	12	5000	87
SZA60O-15S				
SZA60U-15S	90~264	15	4000	87
SZA60O-24S				
SZA60U-24S	90~264	24	2500	88
SZA60O-48S				
SZA60U-48S	90~264	48	1250	88

AQF1000 / AQF120 Series 100W to 180W

() AC-DC ITE Switching Power Supply

Features

- * Enclosed / Open Frame / U Bracket Package (AQF1000 Open Frame Only)
- * Universal Input Range 90-264VAC
- * 5 VDC to 48 VDC Output
- * High Efficiency up to 93%
- * With P.F.C. Function >0.95
- * Low Ripple and Noise

- * Cooling by free air convection
- * Wide Operating Temperature: -25°C~+70°C
- * I/O Isolation: 4000VAC / 3000VAC (AQF1000)
- * CE, CB, UL Approvals
- * 3-Year Product Warranty



AQF1000
100 Watts



103.9 x 54.1 x 24.3 mm
4.1 x 2.13 x 0.96 inches

Open Frame Type

AQF120E / U
120-180 Watts



127.0 x 82.2 x 38.1 mm
5.0 x 3.24 x 1.5 inches

Enclosed / U Bracket

AQF1200
120-180 Watts



127.0 x 76.2 x 29.5 mm
5.0 x 3.0 x 1.16 inches

Open Frame Type

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AQF1000	AQF120E / AQF120U / AQF1200
AC Input Voltage Range	90-264 VAC or 127-370 VDC	90-264 VAC or 127-370 VDC (80~274 VAC or 110~390 VDC with Derating)
AC Inrush Current	< 30 A max. (115 VAC) / < 60 A max. (230 VAC)	
Output Voltage Accuracy	±2%	
Output Voltage Adj. Range	±5% Output Voltage	
Ripple & Noise (Vp-p.)	12S:120mV ; 15S:150mV ; 24S:200mV ; 48S:240mV (max.)	5S,24S:100mV ; 12S,15S:50mV ; 48S:200mV (max.)
Over Power Protection	Auto recovery, Hiccup mode	Auto recovery
Over Voltage Protection	Zener diode clamp	Auto recovery (> 125% Vout) (5S N/A)
Short Circuit Protection	Auto recovery, Hiccup mode	Auto recovery
Isolation (Input-Output)	3000 VAC or 4242 VDC	4000 VAC or 5656 VDC
Operating Temperature	-25 °C to +70 °C	
Temperature Coefficient	±0.03%/°C (0~50°C)	
Cooling Method	Free air convection	Free convection / 18 CFM FAN
Safety	UL / IEC / EN 60950-1	UL / IEC / EN 60950-1 (5S,15S N/A)
EMI (Conducted & Radiated Emission)	EN 61000-6-3 Class B, EN 55032 Class B (Conductive plane to be connected to safety earth)	EN 61000-6-3 Class B, EN 55032 Class B
EMS (Noise Immunity)	EN 55024, EN 61000-4-2,3,4,5,6,8,11	EN 55024

Model No.

▶▶ AQF1000 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.		Eff (%)
			Convection	25 CFM FAN 300 LFM FAN	
AQF1000-12S	90~264	12	8.4	10	89
AQF1000-15S	90~264	15	6.7	8	89
AQF1000-24S	90~264	24	4.2	5	92
AQF1000-48S	90~264	48	2.1	2.5	93

▶▶ AQF1200 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.		Eff (%)
			Convection	30 CFM FAN	
AQF1200-5S	90~264	5	0~20	0~30	87
AQF1200-12S	90~264	12	0~10	0~15	90
AQF1200-15S	90~264	15	0~8	0~12	90
AQF1200-24S	90~264	24	0~5	0~7.5	93
AQF1200-48S	90~264	48	0~2.5	0~3.75	93

▶▶ AQF120E / AQF120U Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.		Eff (%)
			Convection	30 CFM FAN	
AQF120E-5S AQF120U-5S	90~264	5	0~24	0~30	87
AQF120E-12S AQF120U-12S	90~264	12	0~10	0~15	90
AQF120E-15S AQF120U-15S	90~264	15	0~8	0~12	90
AQF120E-24S AQF120U-24S	90~264	24	0~5	0~7.5	93
AQF120E-48S AQF120U-48S	90~264	48	0~2.5	0~3.75	93

ARF130 Series 130W

() AC-DC ITE Switching Power Supply

Features

- * Enclosed / U Bracket Package
- * Universal Input 90-264Vac
- * O/P Voltage: 12,24,48VDC
- * High Efficiency up to 91%
- * 125W with Natural Convection
- * Low No Load Power Consumption <0.3W
- * Wide Operating Temperature: -30°C~+80°C
- * Operating Altitude 5000M
- * Active PFC Function
- * EMI for Both Class I (with PE) and Class II (without PE) Configuration
- * I/O Isolation 4000VAC
- * Safety Approval to UL / IEC / EN 62368-1
- * 3-Year Product Warranty



ARF130E

NEW 130 Watts



80.0 x 59.7 x 43.2 mm
3.15 x 2.35 x 1.7 inches

Enclosed Type

ARF130O

NEW 130 Watts



91.19 x 54.61 x 33.5 mm
3.59 x 2.15 x 1.32 inches

Open Frame Type

ARF130U

NEW 130 Watts



80.0 x 59.7 x 38.0 mm
3.15 x 2.35 x 1.5 inches

U Bracket Type

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	ARF130E / ARF130O / ARF130U NEW
AC Input Voltage Range	90-264 VAC
AC Inrush Current	< 50 A max. (115 VAC) / < 85 A max. (230 VAC)
Output Voltage Accuracy	±2%
Output Voltage Adj. Range	±10% Output Voltage
Ripple & Noise (Vp-p.)	12S:160mV ; others:1% Vout (max.)
Over Power Protection	Protection level 1 (nominal) : Auto recovery, Hiccup mode Protection level 2 (instantaneous high current) : Latch
Over Voltage Protection	Protection level 1 (nominal) : Auto recovery Protection level 2 (instantaneous high voltage) : Latch
Over Temperature Protection	Auto recovery
Short Circuit Protection	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 (instantaneous high current) : Latch
Isolation (Input-Output)	4000 VAC or 5656 VDC
Operating Temperature	-30 °C to +80 °C
Temperature Coefficient	±0.05%/°C
Cooling Method	ARF240E/U: Natural Convection / Conduction Cooling / 10CFM FAN ARF240O: Natural Convection / 10CFM FAN
Safety	UL / IEC / EN 62368
EMI (Conducted & Radiated Emission)	Conducted: EN 55032 Class B Radiated: EN 55032 Class I class B / Class II class A
EMS (Noise Immunity)	EN 55035

Model No.

▶▶ ARF130E Single Output

Model No.	I/P Voltage (V.AC)	O/P Voltage (V.DC)	Output Current (A) max.			Eff (%)
			Natural Convection	Conduction Cooling	10 CFM FAN	
ARF130E-12S	90~264	12	9.917	10.333	10.833	90
ARF130E-24S	90~264	24	5	5.417	5.417	90
ARF130E-48S	90~264	48	2.604	2.708	2.708	91

▶▶ ARF130U Single Output

Model No.	I/P Voltage (V.AC)	O/P Voltage (V.DC)	Output Current (A) max.			Eff (%)
			Natural Convection	Conduction Cooling	10 CFM FAN	
ARF130U-12S	90~264	12	9.917	9.166	10.833	90
ARF130U-24S	90~264	24	4.958	4.583	5.417	90
ARF130U-48S	90~264	48	2.604	2.395	2.708	91

▶▶ ARF240O Single Output

Model No.	I/P Voltage (V.AC)	O/P Voltage (V.DC)	Output Current (A) max.		Eff (%)
			Natural Convection	10 CFM FAN Conduction Cooling	
ARF240O-12S	90~264	12	9.917	10.833	90
ARF240O-24S	90~264	24	4.958	5.417	90
ARF240O-48S	90~264	48	2.604	2.708	91

AQF240 / ARF240 Series 240W

() AC-DC ITE Switching Power Supply

Features

- * Enclosed / Open Frame / U Bracket Package
- * Universal Input Range 90-264VAC
- * 5 VDC to 48 VDC Output
- * High Efficiency up to 93%/ 94%
- * With P.F.C. Function >0.9 / 0.95
- * Low Ripple and Noise

- * Cooling by free air convection
- * Wide Operating Temperature (see spec. sheet)
- * I/O Isolation: 4000VAC
- * Safety Approval to UL / IEC / EN 62368-1
- * 3-Year Product Warranty



General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AQF240E / AQF240U	ARF240E / ARF240U / ARF240U NEW
AC Input Voltage Range	90-264 VAC or 127-370 VDC	90-264 VAC
AC Inrush Current	< 30 A max. (115 VAC) / < 60 A max. (230 VAC)	< 45 A max. (115 VAC) / < 90 A max. (230 VAC)
Output Voltage Accuracy	±2%	
O/P Voltage Adj. Range	±5% Output Voltage	
Ripple & Noise (Vp-p.) (max.)	AQF240E:12S~24S:120mV;28S~48S:200mV AQF240U:5S:150mV;12S:120mV;15S~48S:200mV	1% Vout
Over Power Protection	Auto recovery	Auto recovery, Hiccup mode
Over Voltage Protection	Latch off	Auto recovery
Over Temperature Protection	—	Auto recovery
Short Circuit Protection	Latch off	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 (instantaneous high current) : Latch
Isolation (Input-Output)	4000 VAC or 5656 VDC	
Operating Temperature	-10 °C to +70 °C	-30 °C to +80 °C
Temperature Coefficient	±0.03%/°C (0~50°C)	±0.05%/°C
Cooling Method	AQF240E/U: Free convection / 18CFM ARF240E/O/U: Natural Convection / Conduction Cooling / 8CFM FAN	
Safety	UL / IEC / EN 60950-1 (5S UL 60950-1 N/A ; 5S,36S IEC 60950-1 N/A)	UL 60950 UL / IEC / EN 62368 (In Progress)
EMI (Conducted & Radiated Emission)	EN 55032 Class B	Conducted: EN 55032 Class B Radiated: EN 55032 Class I class B / Class II class A
EMS (Noise Immunity)	EN 55024	EN 55035

Model No.

▶▶ AQF240E Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
AQF240E-12S	90~264	12	16.66	90
AQF240E-15S	90~264	15	14.66	90
AQF240E-24S	90~264	24	10	92
AQF240E-28S	90~264	28	8.57	92
AQF240E-32S	90~264	32	7.5	92
AQF240E-36S	90~264	36	6.66	92
AQF240E-48S	90~264	48	5	93

▶▶ AQF240U Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
AQF240U-5S	90~264	5	36	87
AQF240U-12S	90~264	12	20	90
AQF240U-15S	90~264	15	16	90
AQF240U-24S	90~264	24	10	92
AQF240U-28S	90~264	28	8.57	92
AQF240U-32S	90~264	32	7.5	92
AQF240U-36S	90~264	36	6.66	92
AQF240U-48S	90~264	48	5	93

▶▶ ARF240E / ARF240U Single Output

Model No.	I/P Voltage (V.AC)	O/P Voltage (V.DC)	Output Current (A) max.		Eff (%)
			Natural Convection	8 CFM FAN Conduction Cooling	
ARF240E-12S	90~264	12	19.5	20	92.5
ARF240U-12S					
ARF240E-24S	90~264	24	10	10	93
ARF240U-24S					
ARF240E-48S	90~264	48	5	5	94
ARF240U-48S					

▶▶ ARF240U Single Output

Model No.	I/P Voltage (V.AC)	O/P Voltage (V.DC)	Output Current (A) max.			Eff (%)
			Natural Convection	Conduction Cooling	8 CFM FAN	
ARF240U-12S	90~264	12	13.33	15	20	92.5
ARF240U-24S						
ARF240U-48S	90~264	48	3.33	3.75	5	94
ARF240U-48S						

MQF240 Series 240W

() AC-DC ITE Switching Power Supply

Features

- * Enclosed / Open Frame / U Bracket Package
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,15,24,48VDC
- * High Efficiency up to 93% / 94%
- * With P.F.C. Function >0.9
- * Low Leakage Current < 0.1 mA max. (Input-Output)
- * EMI for Both Class I (with PE) and Class II (without PE) Configuration
- * Suitable for BF Application with Appropriate System Consideration
- * Certification to IEC/EN/ES 60601-1 3rd edition for 2 x MOPP
- * EMC compliance to IEC 60601-1-2 4th edition
- * 3-Year Product Warranty



() Medical Switching PSU

MQF240E
240 Watts



104.0 x 62.5 x 50.5 mm
4.1 x 2.46 x 1.99 inches

Enclosed Type

() Medical Switching PSU

MQF240O
240 Watts



103.9 x 52.0 x 27.6 mm
4.1 x 2.05 x 1.087 inches

Open Frame Type

() Medical Switching PSU

MQF240U
240 Watts



104.0 x 62.5 x 39.2 mm
4.1 x 2.46 x 1.544 inches

U Bracket Type

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	MQF240E / MQF240O / MQF240U
AC Input Voltage Range	90-264 VAC
AC Inrush Current	< 45 A max. (115 VAC) / < 90 A max. (230 VAC)
Output Voltage Accuracy	±2%
Output Voltage Adj. Range	±4% Output Voltage
Ripple & Noise (Vp-p.)	1% Vout (max.)
Over Power Protection	Auto recovery, Hiccup mode
O.V.P. / O.T.P.	Auto recovery
Short Circuit Protection	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 (instantaneous high current) : Latch
Isolation (Input-Output)	4000 VAC or 5656 VDC
Operating Temperature	-30 °C to +70 °C
Temperature Coefficient	±0.05%/°C
Cooling Method	MQF240O / MQF240U: Free convection / 10 CFM FAN
Safety	UL / IEC / EN 60601 3.1 st Edition (2 x MOPP) & UL / IEC / EN 60950 Am2 15S: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP) & UL / IEC / EN 60950 Am2 (meet)
EMI (Conducted & Radiated Emission)	Conducted: EN 55032 Class B Radiated: EN 55032 Class I class B / Class II class A
EMS (Noise Immunity)	EN 60601-1-2 4th Edition

Model No.

MQF240E Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
MQF240E-12S	90~264	12	20	92
MQF240E-15S	90~264	15	16	92
MQF240E-24S	90~264	24	10	92.5
MQF240E-48S	90~264	48	5	93

MQF240O / MQF240U Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.		Eff (%)
			Convection	10 CFM FAN	
MQF240O-12S	90~264	12	13.3	20	92.5
MQF240U-12S					
MQF240O-15S	90~264	15	10.667	16	92.5
MQF240U-15S					
MQF240O-24S	90~264	24	6.66	10	93
MQF240U-24S					
MQF240O-48S	90~264	48	3.33	5	94
MQF240U-48S					

ABR300U Series 300W

() AC-DC ITE Switching Power Supply

Features

- * U Bracket Package
- * Universal Input Range 90-264VAC
- * High Efficiency up to 90%
- * With P.F.C. Function >0.9
- * 300W Conduction Cooling
- * Over Current Protection
- * Over Voltage Protection
- * Over Temperature Protection
- * Short Circuit Protection
- * Wide Operating Temperature -40°C~ +65°C
- * I/O Isolation: 3000VAC
- * CE Approval
- * 3-Year Product Warranty



ABR300U

300 Watts



150.0 x 106.0 x 35.0 mm
6.0 x 4.18 x 1.38 inches

U Bracket Type

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	ABR300U
AC Input Voltage Range	90-264 VAC
AC Inrush Current	< 70 A max. (115 VAC) / < 90 A max. (230 VAC)
Output Voltage Accuracy	±2%
Output Trim	±5% Output Voltage
Ripple & Noise (Vp-p.)	12S:150mV ; 24S,28S:200mV ; 48S:300mV
Over Power Protection	Auto recovery
Over Voltage Protection	Auto recovery
Over Temperature Protection	Auto recovery
Short Circuit Protection	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 (instantaneous high current) : Latch
Isolation (Input-Output)	3000 VAC
Operating Temperature	-40 °C to +65 °C
Temperature Coefficient	±0.05%/°C (0~50°C)
Cooling Method	Conduction cooling
Safety	EN 60950-1

Model No.

▶▶ ABR300U Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
ABR300U-12S	90~264	12	25	88.5
ABR300U-24S	90~264	24	12.5	89
ABR300U-28S	90~264	28	11	89
ABR300U-48S	90~264	48	6.25	90

AQF360 Series 360W

(10) AC-DC ITE Switching Power Supply

Features

- * Enclosed / U Bracket Package
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,24,36,48,54VDC
- * High Efficiency up to 93%
- * With P.F.C. Function > 0.95
- * Low Leakage Current Leakage Current < 300uA
- * Cooling by Built-in 12 VDC FAN
- * 240W Convection without FAN
- * Wide Operating Temperature: -25°C ~ +70°C
- * I/O Isolation: 3000VAC
- * CE, CB, UL Approvals
- * 3-Year Product Warranty



AQF360E
360 Watts



172.7 x 81.3 x 53.3 mm
6.8 x 3.2 x 2.1 inches

Enclosed Type

AQF360F
360 Watts



197.7 x 81.3 x 40.0 mm
7.8 x 3.2 x 1.57 inches

Enclosed Type

AQF360U
360 Watts



172.7 x 81.3 x 38.0 mm
6.8 x 3.2 x 1.5 inches

U Bracket Type

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AQF360E / AQF360F / AQF360U
AC Input Voltage Range	90-264 VAC or 127-370 VDC
AC Inrush Current	< 30 A max. (115 VAC) / < 60 A max. (230 VAC)
Output Voltage Accuracy	±2%
Output Trim	±5% Output Voltage
Ripple & Noise (Vp-p.)	AQF360E/F-12S:150mV ; AQF360U-12S:120mV ; others:200mV (max.)
O.P.P. / O.V.P. / O.T.P.	Auto recovery
Short Circuit Protection	Auto recovery
Isolation (Input-Output)	3000 VAC or 4242 VDC
Operating Temperature	-25 °C to +70 °C
Temperature Coefficient	±0.03%/°C (0~50°C)
Cooling Method	AQF360E / AQF360F: Cooling by Built-in DC FAN AQF360U: Free convection / 18 CFM FAN
Safety	UL / IEC / EN 60950-1
EMI (Conducted & Radiated Emission)	EN 55032 Class B
EMS (Noise Immunity)	EN 55024

Model No.

▶▶ AQF360E / AQF360F Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
AQF360E-12S	90~264	12	30	89
AQF360F-12S				
AQF360E-24S	90~264	24	15	91
AQF360F-24S				
AQF360E-36S	90~264	36	10	92
AQF360F-36S				
AQF360E-48S	90~264	48	7.5	93
AQF360F-48S				
AQF360E-54S	90~264	54	6.66	93
AQF360F-54S				

▶▶ AQF360U Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.		Eff (%)
			Convection	18 CFM FAN	
AQF360U-12S	90~264	12	20	30	90
AQF360U-24S					
AQF360U-36S	90~264	36	6.66	10	93
AQF360U-48S					
AQF360U-54S	90~264	54	4.44	6.66	93

AQFV480 Series 480W

(10) AC-DC ITE Switching Power Supply

Features

- * Enclosed / U Bracket Package
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,24,36,48VDC
- * High Efficiency up to 92%
- * With P.F.C. Function > 0.95
- * Cooling by Built-in DC FAN
- * 300W Convection without FAN

- * Built-in Remote ON/OFF Control & Remote Sense Function
- * Power Good Function
- * Wide Operating Temperature: -25°C ~ +70°C
- * I/O Isolation: 3000VAC
- * CE & UL Approvals
- * 3-Year Product Warranty



AQFV480E

480 Watts

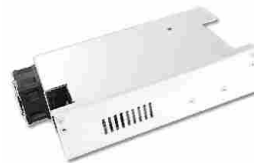


177.8 x 106.5 x 60.3 mm
7.0 x 4.2 x 2.37 inches

Enclosed Type

AQFV480F

480 Watts



202.8 x 106.5 x 45.0 mm
7.98 x 4.2 x 1.78 inches

Enclosed Type

AQFV480U

480 Watts



177.8 x 106.5 x 45.0 mm
7.0 x 4.2 x 1.78 inches

U Bracket Type

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AQFV480E / AQFV480F / AQFV480U
AC Input Voltage Range	90-264 VAC or 127-370 VDC
AC Inrush Current	< 50 A max. (115 VAC) / < 70 A max. (230 VAC)
Output Voltage Accuracy	±2%
Output Voltage Trim	±5% Output Voltage
Ripple & Noise (Vp-p.)	12S:100mV ; 24S,36S:200mV ; 48S:300mV (max.)
O.P.P. / O.V.P. / O.T.P.	Auto recovery
Short Circuit Protection	Auto recovery
Isolation (Input-Output)	3000 VAC or 4242 VDC
Operating Temperature	-25 °C to +70 °C
Temperature Coefficient	±0.03%/°C (0~50°C)
Cooling Method	AQV480E / AQFV480F: Cooling by Built-in DC FAN AQFV480U: Free convection / 18 CFM FAN
Safety	UL / EN 60950-1
EMI (Conducted & Radiated Emission)	EN 55032 Class B
EMS (Noise Immunity)	EN 55024

Model No.

▶▶ AQFV480E / AQFV480F Single Output

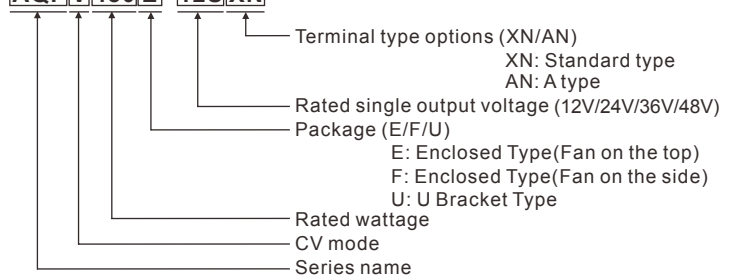
Model No.	I/P Voltage (V.AC)	O/P Voltage (V.DC)	Output Current (A) max.	Eff (%)	
				Vin:	
AQFV480E-12S□	90~264	12	40	115	230
AQFV480F-12S□				85	88
AQFV480E-24S□	90~264	24	20	87	90
AQFV480F-24S□				87	90
AQFV480E-36S□	90~264	36	13.33	89	92
AQFV480F-36S□				89	92
AQFV480E-48S□	90~264	48	10	88	91
AQFV480F-48S□				88	91

▶▶ AQFV480U Single Output

Model No.	I/P Voltage (V.AC)	O/P Voltage (V.DC)	Output Current (A) max.		Eff (%)	
			Convection	18 CFM FAN	Convection	18 CFM FAN
AQFV480U-12S□	90~264	12	23.33	40	Vin: 115 / 230	Vin: 115 / 230
AQFV480U-24S□					88 / 90	85 / 88
AQFV480U-24S□	90~264	24	11.66	20	89 / 91	87 / 90
AQFV480U-36S□					90 / 92	89 / 92
AQFV480U-36S□	90~264	36	8.33	13.33	90 / 92	89 / 92
AQFV480U-48S□					89 / 91	88 / 91

Model Encoding

AQFV480E-12SXN



ARF500 Series 500W

() AC-DC ITE Switching Power Supply

Features

- * Enclosed / U Bracket Package
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,24,48VDC
- * High Efficiency up to 92%
- * With P.F.C. Function > 0.94
- * Low Ripple and Noise
- * Cooling by free air convection
- * Wide Operating Temperature from -30° C
- * I/O Isolation: 4000VAC
- * Safety Approval to UL / IEC / EN 62368-1
- * 3-Year Product Warranty



ARF500E 500 Watts

NEW



129.7 x 82.55 x 61.4 mm
5.11 x 3.25 x 2.42 inches

Enclosed Type

ARF500U 500 Watts

NEW



129.7 x 82.55 x 40.6 mm
5.11 x 3.25 x 1.6 inches

U Bracket Type

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	ARF500E / ARF500U NEW
AC Input Voltage Range	90-264 VAC or 127-370 VDC
AC Inrush Current	< 40 A max. (115 VAC) / < 80 A max. (230 VAC)
Output Voltage Accuracy	±2%
Output Voltage Adj. Range	±5% Output Voltage
Ripple & Noise (Vp-p.)	12S:160mV ; 24S:240mV ; 48S:480mV (typ.)
O.P.P. / O.V.P. / O.T.P.	Auto recovery
Short Circuit Protection	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 (instantaneous high current) : Latch
Isolation (Input-Output)	4000 VAC or 5656 VDC
Operating Temperature	-30 °C to +80 °C
Temperature Coefficient	±0.03%/°C (0~50°C) ; ±0.06%/°C (-30~0°C)
Cooling Method	ARF500U: Natural Convection / Conduction Cooling / 30CFM FAN
Safety	UL 60950 UL / IEC / EN 62368 (In Progress)
EMI (Conducted & Radiated Emission)	EN 55032 / Conducted class B, Radiated Class A
EMS (Noise Immunity)	EN 55035

Model No.

▶▶ ARF500E Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
ARF500E-12S	90~264	12	41.5	90
ARF500E-24S	90~264	24	20.8	90.5
ARF500E-48S	90~264	48	10.41	91.5

▶▶ ARF500U Single Output

Model No.	I/P Voltage (V.AC)	O/P Voltage (V.DC)	Output Current (A) max.			Eff (%)
			Natural Convection	Conduction Cooling	30 CFM FAN	
ARF500U-12S	90~264	12	27.5	37.5	41.5	90.5
ARF500U-24S	90~264	24	13.75	18.75	20.8	91
ARF500U-48S	90~264	48	6.87	9.375	10.41	92

MQF500 Series 500W

() AC-DC ITE Switching Power Supply

Features

- * Enclosed / Open Frame / U Bracket Package
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,15,24,48VDC
- * High Efficiency up to 92% / 93%
- * With P.F.C. Function >0.94
- * Low Leakage Current < 0.1 mA max. (Input-Output)
- * Remote ON/OFF Function
- * Current Share Function For Option (15S N/A)
- * Built-in 12V / 0.3A Auxiliary Output (MQF500O/U)
- * Certification to IEC/EN/ES 60601-1 3rd edition for 2 x MOPP
- * EMC compliance to IEC 60601-1-2 4th edition
- * 3-Year Product Warranty



() Medical Switching PSU

MQF500E
500 Watts



139.7 x 82.55 x 61.4 mm
5.5 x 3.25 x 2.42 inches

Enclosed Type

() Medical Switching PSU

MQF500O
500 Watts



127.8 x 76.2 x 36.5 mm
5.03 x 3.0 x 1.44 inches

Open Frame Type

() Medical Switching PSU

MQF500U
500 Watts



139.7 x 82.55 x 40.6 mm
5.5 x 3.25 x 1.6 inches

U Bracket Type

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	MQF500E / MQF500O / MQF500U
AC Input Voltage Range	90-264 VAC or 127-370 VDC
AC Inrush Current	< 40 A max. (115 VAC) / < 80 A max. (230 VAC)
Output Voltage Accuracy	±2%
Output Voltage Adj. Range	±4% Output Voltage
Ripple & Noise (Vp-p.)	12S,15S:160mV ; 24S:240mV ; 48S:480mV (typ.)
O.P.P. / O.V.P. / O.T.P.	Auto recovery
Short Circuit Protection	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 (instantaneous high current) : Latch
Isolation (Input-Output)	4000 VAC or 5656 VDC
Operating Temperature	-30 °C to +70 °C
Temperature Coefficient	±0.03%/°C (0~50°C) ; ±0.06%/°C (-30~0°C)
Cooling Method	Free convection / 30 CFM FAN
Safety	UL / IEC / EN 60601 3.1 st Edition (2 x MOPP) & UL / IEC / EN 60950 Am2 15S: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP) & UL / IEC / EN 60950 Am2 (meet)
EMI (Conducted & Radiated Emission)	EN 55011 / Conducted class B, Radiated Class A
EMS (Noise Immunity)	EN 60601-1-2 4th Edition

Model No.

MQF500E Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
MQF500E-12S	90~264	12	41.5	89
MQF500E-15S	90~264	15	33.3	89
MQF500E-24S	90~264	24	20.8	91
MQF500E-48S	90~264	48	10.41	92

MQF500O Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.		Eff (%)
			Convection Vin: 115 / 230	30 CFM FAN	
MQF500O-12S	90~264	12	19.16 / 20	41.5	90.5
MQF500O-15S	90~264	15	14 / 14.66	33.3	90.5
MQF500O-24S	90~264	24	9.58 / 10	20.8	92
MQF500O-48S	90~264	48	4.8 / 5	10.41	93

MQF500U Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.		Eff (%)
			Convection Vin: 115 / 230	30 CFM FAN	
MQF500U-12S	90~264	12	15.83 / 16.6	41.5	90.5
MQF500U-15S	90~264	15	11.33 / 12	33.3	90.5
MQF500U-24S	90~264	24	7.91 / 8.33	20.8	92
MQF500U-48S	90~264	48	3.96 / 4.17	10.41	93

AQF600 Series 600W

() AC-DC ITE Switching Power Supply

Features

- * Enclosed Package
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,24,48,54VDC
- * High Efficiency up to 93%
- * With P.F.C. Function > 0.95
- * Cooling by integrated FAN
- * Remote ON/OFF Control Function
- * Current Share Function
- * Power Good Function
- * Wide Operating Temperature: -25°C~+70°C
- * I/O Isolation: 3000VAC
- * CE & UL Approvals
- * 3-Year Product Warranty



AQF600

600 Watts



228.5 x 105.0 x 44.0 mm
9.0 x 4.13 x 1.72 inches

Enclosed Type

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AQF600
AC Input Voltage Range	90-264 VAC or 127-370 VDC
AC Inrush Current	< 15 A max. (115 VAC) / < 30 A max. (230 VAC)
Output Voltage Accuracy	±2%
Output Trim	±5% Output Voltage
Ripple & Noise (Vp-p.)	< 1% Vout (max.)
O.P.P. / O.V.P. / O.T.P.	Auto recovery
Short Circuit Protection	Latch off
Isolation (Input-Output)	3000 VAC or 4242 VDC
Operating Temperature	-25 °C to +70 °C
Temperature Coefficient	±0.03%/°C (0~50°C)
Cooling Method	Integral Fan
Safety	UL / EN 60950-1
EMI (Conducted & Radiated Emission)	EN 55032 / Conducted class B, Radiated Class A
EMS (Noise Immunity)	EN 55024

Model No.

▶▶ AQF600 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
AQF600-12S	90~264	12	45	90
AQF600-24S	90~264	24	25	92
AQF600-48S	90~264	48	12.5	92
AQF600-54S	90~264	54	11.1	93

AQF700 / AQF700C Series 700W

() AC-DC ITE Switching Power Supply

Features

- * Enclosed Package
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,15,24,28,48VDC
- * High Efficiency up to 92%
- * With P.F.C. Function > 0.9
- * Remote ON/OFF Control Function
- * Current Share Function for AQF700C
- * Power Good Function
- * Wide Operating Temperature: -30°C ~ +70°C
- * I/O Isolation: 4000VAC
- * Safety Approval to UL / IEC / EN 62368-1
- * 3-Year Product Warranty



AQF700 / AQF700C

700 Watts



170.2 x 93.0 x 41.0 mm
6.7 x 3.66 x 1.61 inches

Enclosed Type

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AQF700 / AQF700C
AC Input Voltage Range	90-264 VAC
AC Inrush Current	< 55 A max. (115 VAC) / < 90 A max. (230 VAC)
Output Voltage Accuracy	±2%
Output Voltage Adj. Range	±5% Output Voltage
Ripple & Noise (Vp-p.)	12S,15S:160mV ; 24S:240mV ; 28S:280mV ; 48S:480mV (typ.)
O.P.P. / O.V.P. / O.T.P.	Auto recovery
Short Circuit Protection	Auto recovery or Latch
Isolation (Input-Output)	4000 VAC or 5656 VDC
Operating Temperature	-30 °C to +70 °C
Temperature Coefficient	±0.03%/°C (0~50°C) ; ±0.06%/°C (-30~0°C)
Safety	UL / IEC / EN 62368
EMI (Conducted & Radiated Emission)	Conducted: EN 55011 Class B, EN 55032 Class B Radiated: EN 55011 Class A, EN 55032 Class A
EMS (Noise Immunity)	EN 55024, EN 60601-1-2 4th Edition

Model No.

▶▶ AQF700 / AQF700C Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
AQF700-12S	90~264	12	52.08	89
AQF700C-12S				
AQF700-15S	90~264	15	41.66	90
AQF700C-15S				
AQF700-24S	90~264	24	29.16	91
AQF700C-24S				
AQF700-28S	90~264	28	25	92
AQF700C-28S				
AQF700-48S	90~264	48	14.58	92
AQF700C-48S				

MQF120 Series 120W

(H) AC-DC Medical Switching Power Supply

Features

- * Enclosed / Open Frame / U Bracket Package
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,24,48VDC
- * High Efficiency up to 91%
- * With P.F.C. Function >0.9
- * Low No Load Power Consumption <0.3W
- * EMI for Both Class I (with PE) and Class II (without PE) Configuration
- * Suitable for BF Application with Appropriate System Consideration
- * Certification to IEC/EN/ES 60601-1 3rd edition for 2 x MOPP
- * EMC compliance to IEC 60601-1-2 4th edition
- * 3-Year Product Warranty



MQF120E
120 Watts



80.0 x 59.7 x 43.2 mm
3.15 x 2.35 x 1.7 inches

Enclosed Type

MQF120O
120 Watts



77.2 x 50.8 x 30.7 mm
3.04 x 2.0 x 1.2 inches

Open Frame Type

MQF120U
120 Watts



80.0 x 59.7 x 38.0 mm
3.15 x 2.35 x 1.5 inches

U Bracket Type

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	MQF120E / MQF120O / MQF120U
AC Input Voltage Range	90-264 VAC
AC Inrush Current	< 40 A max. (115 VAC) / < 70 A max. (230 VAC)
Output Voltage Accuracy	±2%
Output Voltage Adj. Range	±10% Output Voltage
Ripple & Noise (Vp-p.)	12S:160mV ; others:1% Vout (max.)
Over Power Protection	Auto recovery, Hiccup mode
O.V.P. / O.T.P.	Latch off
Short Circuit Protection	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 (instantaneous high current) : Latch
Isolation (Input-Output)	4000 VAC or 5656 VDC
Operating Temperature	-30 °C to +70 °C
Temperature Coefficient	±0.05%/°C (0~50°C)
Cooling Method	Free convection / 10 CFM FAN
Safety	UL / IEC / EN 60601 3.1 st Edition (2 x MOPP)
EMI (Conducted & Radiated Emission)	Conducted: EN 55011 Class B Radiated: EN 55011 Class I class B / Class II class A
EMS (Noise Immunity)	EN 60601-1-2 4th Edition

Model No.

MQF120E Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.		Eff (%)
			Convection	10 CFM FAN	
MQF120E-12S	90~264	12	7.083	10	90
MQF120E-24S	90~264	24	3.542	5	90
MQF120U-48S	90~264	48	1.771	2.5	91

MQF120U Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.		Eff (%)
			Convection	10 CFM FAN	
MQF120U-12S	90~264	12	7.5	10	90
MQF120U-24S	90~264	24	3.75	5	90
MQF120U-48S	90~264	48	1.875	2.5	91

MQF120O Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.		Eff (%)
			Convection	10 CFM FAN	
MQF120O-12S	90~264	12	8.333	10	90
MQF120O-24S	90~264	24	4.167	5	90
MQF120O-48S	90~264	48	2.083	2.5	91

MQF240 Series 240W

(H) AC-DC Medical Switching Power Supply

Features

- * Enclosed / Open Frame / U Bracket Package
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,15,24,48VDC
- * High Efficiency up to 93% / 94%
- * With P.F.C. Function >0.9
- * Low Leakage Current < 0.1 mA max. (Input-Output)

- * EMI for Both Class I (with PE) and Class II (without PE) Configuration
- * Suitable for BF Application with Appropriate System Consideration
- * Certification to IEC/EN/ES 60601-1 3rd edition for 2 x MOPP
- * EMC compliance to IEC 60601-1-2 4th edition
- * 3-Year Product Warranty



(H) ITE Switching PSU

MQF240E
240 Watts



104.0 x 62.5 x 50.5 mm
4.1 x 2.46 x 1.99 inches

Enclosed Type

(H) ITE Switching PSU

MQF240O
240 Watts



103.9 x 52.0 x 27.6 mm
4.1 x 2.05 x 1.087 inches

Open Frame Type

(H) ITE Switching PSU

MQF240U
240 Watts



104.0 x 62.5 x 39.2 mm
4.1 x 2.46 x 1.544 inches

U Bracket Type

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	MQF240E / MQF240O / MQF240U
AC Input Voltage Range	90-264 VAC
AC Inrush Current	< 45 A max. (115 VAC) / < 90 A max. (230 VAC)
Output Voltage Accuracy	±2%
Output Voltage Adj. Range	±4% Output Voltage
Ripple & Noise (Vp-p.)	1% Vout (max.)
Over Power Protection	Auto recovery, Hiccup mode
O.V.P. / O.T.P.	Auto recovery
Short Circuit Protection	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 (instantaneous high current) : Latch
Isolation (Input-Output)	4000 VAC or 5656 VDC
Operating Temperature	-30 °C to +70 °C
Temperature Coefficient	±0.05%/°C
Cooling Method	MQF240O / MQF240U: Free convection / 10 CFM FAN
Safety	UL / IEC / EN 60601 3.1 st Edition (2 x MOPP) & UL / IEC / EN 60950 Am2 15S: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP) & UL / IEC / EN 60950 Am2 (meet)
EMI (Conducted & Radiated Emission)	Conducted: EN 55011 Class B Radiated: EN 55011 Class I class B / Class II class A
EMS (Noise Immunity)	EN 60601-1-2 4th Edition

Model No.

MQF240E Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
MQF240E-12S	90~264	12	20	92
MQF240E-15S	90~264	15	16	92
MQF240E-24S	90~264	24	10	92.5
MQF240E-48S	90~264	48	5	93

MQF240O / MQF240U Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.		Eff (%)
			Convection	10 CFM FAN	
MQF240O-12S	90~264	12	13.3	20	92.5
MQF240U-12S					
MQF240O-15S	90~264	15	10.667	16	92.5
MQF240U-15S					
MQF240O-24S	90~264	24	6.66	10	93
MQF240U-24S					
MQF240O-48S	90~264	48	3.33	5	94
MQF240U-48S					

MQF500 Series 500W

(H) AC-DC Medical Switching Power Supply

Features

- * Enclosed / Open Frame / U Bracket Package
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,15,24,48VDC
- * High Efficiency up to 92% / 93%
- * With P.F.C. Function >0.94
- * Low Leakage Current < 0.1 mA max. (Input-Output)
- * Remote ON/OFF Function
- * Current Share Function For Option (15S N/A)
- * Built-in 12V / 0.3A Auxiliary Output (MQF500O/U)
- * Certification to IEC/EN/ES 60601-1 3rd edition for 2 x MOPP
- * EMC compliance to IEC 60601-1-2 4th edition
- * 3-Year Product Warranty



(H) ITE Switching PSU

MQF500E
500 Watts



139.7 x 82.55 x 61.4 mm
5.5 x 3.25 x 2.42 inches

Enclosed Type

(H) ITE Switching PSU

MQF500O
500 Watts



127.8 x 76.2 x 36.5 mm
5.03 x 3.0 x 1.44 inches

Open Frame Type

(H) ITE Switching PSU

MQF500U
500 Watts



139.7 x 82.55 x 40.6 mm
5.5 x 3.25 x 1.6 inches

U Bracket Type

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	MQF500E / MQF500O / MQF500U
AC Input Voltage Range	90-264 VAC or 127-370 VDC
AC Inrush Current	< 40 A max. (115 VAC) / < 80 A max. (230 VAC)
Output Voltage Accuracy	±2%
Output Voltage Adj. Range	±4% Output Voltage
Ripple & Noise (Vp-p.)	12S,15S:160mV ; 24S:240mV ; 48S:480mV (typ.)
O.P.P. / O.V.P. / O.T.P.	Auto recovery
Short Circuit Protection	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 (instantaneous high current) : Latch
Isolation (Input-Output)	4000 VAC or 5656 VDC
Operating Temperature	-30 °C to +70 °C
Temperature Coefficient	±0.03%/°C (0~50°C) ; ±0.06%/°C (-30~0°C)
Cooling Method	Free convection / 30 CFM FAN
Safety	UL / IEC / EN 60601 3.1 st Edition (2 x MOPP) & UL / IEC / EN 60950 Am2 15S: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP) & UL / IEC / EN 60950 Am2 (meet)
EMI (Conducted & Radiated Emission)	EN 55011 / Conducted class B, Radiated Class A
EMS (Noise Immunity)	EN 60601-1-2 4th Edition

Model No.

MQF500E Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
MQF500E-12S	90~264	12	41.5	89
MQF500E-15S	90~264	15	33.3	89
MQF500E-24S	90~264	24	20.8	91
MQF500E-48S	90~264	48	10.41	92

MQF500O Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.		Eff (%)
			Convection Vin: 115 / 230	30 CFM FAN	
MQF500O-12S	90~264	12	19.16 / 20	41.5	90.5
MQF500O-15S	90~264	15	14 / 14.66	33.3	90.5
MQF500O-24S	90~264	24	9.58 / 10	20.8	92
MQF500O-48S	90~264	48	4.8 / 5	10.41	93

MQF500U Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.		Eff (%)
			Convection Vin: 115 / 230	30 CFM FAN	
MQF500U-12S	90~264	12	15.83 / 16.6	41.5	90.5
MQF500U-15S	90~264	15	11.33 / 12	33.3	90.5
MQF500U-24S	90~264	24	7.91 / 8.33	20.8	92
MQF500U-48S	90~264	48	3.96 / 4.17	10.41	93

Module Type — ZC05 / ZB15 Series 5W to 15W

DC-DC Converter

Features

- * Power Module for PCB Mountable
- * Wide Input Range 2:1 & 4:1 (ZB15) / 4:1 (ZC05)
- * High Efficiency and Reliability
- * Regulated Single and Dual Output
- * Low Ripple and Noise
- * Remote ON/OFF Control for Option (ZB15)
- * Wide Operating Temperature from -25°C
- * 3-Year Product Warranty



31.8 x 20.3 x 10.2 mm
1.25 x 0.8 x 0.4 inches

50.1 x 25.4 x 10.8 mm
1.97 x 1.0 x 0.425 inches

ZB15 15 Watts

Unit:mm

PIN#	Single	Dual
1	CTRL (Option)	CTRL (Option)
2	-DC IN	-DC IN
3	+DC IN	+DC IN
4	-DC OUT	-DC OUT
5	NO PIN	COMMON
6	+DC OUT	+DC OUT

ZC05 5 Watts

Unit:mm

PIN#	Single	Dual
1	-VIN	-VIN
2	-VIN	-VIN
3	NC	COMMON
4	NC	-VOUT
5	+VOUT	+VOUT
6	-VOUT	COMMON
7	+VIN	+VIN
8	+VIN	+VIN

Model No.

ZC05 Single Output (4:1 Range)

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ZC05-24F-3.3S	9~36	3.3	1520	72
ZC05-24F-5S	9~36	5	1000	75
ZC05-24F-12S	9~36	12	500	81
ZC05-24F-15S	9~36	15	400	79
ZC05-24F-24S	9~36	24	250	80
ZC05-48F-3.3S	18~75	3.3	1520	74
ZAC5-48F-5S	18~75	5	1000	77
ZAC5-48F-12S	18~75	12	500	81
ZAC5-48F-15S	18~75	15	400	81
ZC05-48F-24S	18~75	24	250	81

ZC05 Dual Output (4:1 Range)

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ZC05-24F-5D	9~36	±5	±500	75
ZC05-24F-12D	9~36	±12	±250	78
ZC05-24F-15D	9~36	±15	±200	76
ZC05-48F-5D	18~75	±5	±500	77
ZC05-48F-12D	18~75	±12	±250	83
ZC05-48F-15D	18~75	±15	±200	79

ZB15 Single Output (4:1 Range)

Model & Ordering No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ZB15-24F-3.3S	9~36	3.3	3000	77
ZB15-24F-5S	9~36	5	3000	77
ZB15-24F-12S	9~36	12	1250	79
ZB15-24F-15S	9~36	15	1000	79
ZB15-48F-3.3S	18~75	3.3	3000	71
ZB15-48F-5S	18~75	5	3000	79
ZB15-48F-12S	18~75	12	1250	80
ZB15-48F-15S	18~75	15	1000	80

ZB15 Single Output (2:1 Range)

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ZB15-12-3.3S	9~18	3.3	3000	71
ZB15-12-5S	9~18	5	3000	77
ZB15-12-12S	9~18	12	1250	79
ZB15-12-15S	9~18	15	1000	79
ZB15-12-24S	9~18	24	625	84
ZB15-24-3.3S	18~36	3.3	3000	71
ZB15-24-5S	18~36	5	3000	77
ZB15-24-12S	18~36	12	1250	79
ZB15-24-15S	18~36	15	1000	79
ZB15-24-24S	18~36	24	625	87
ZB15-48-3.3S	36~75	3.3	3000	71
ZB15-48-5S	36~75	5	3000	79
ZB15-48-12S	36~75	12	1250	80
ZB15-48-15S	36~75	15	1000	80
ZB15-48-24S	36~75	24	625	87

ZB15 Dual Output (2:1 Range)

Model & Ordering No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ZB15-12-5D	9~18	±5	±1500	78
ZB15-12-12D	9~18	±12	±625	79
ZB15-12-15D	9~18	±15	±500	79
ZB15-24-5D	18~36	±5	±1500	78
ZB15-24-12D	18~36	±12	±625	79
ZB15-24-15D	18~36	±15	±500	79
ZB15-48-5D	36~75	±5	±1500	78
ZB15-48-12D	36~75	±12	±625	79
ZB15-48-15D	36~75	±15	±500	79

Module Type — SW20F (X) / SW30F (X) / SW40F (X) Series

DC-DC Converter 20W to 40W

Features

- * Power Module for PCB Mountable
- * High Efficiency and Reliability
- * Wide Input Range 4:1
- * Low Ripple and Noise
- * Remote ON/OFF Control
- * Without Tantalum Capacitors Inside

- * Low Ripple and Noise
- * Remote ON/OFF Control
- * Wide Operating Temperature: -40°C ~ +85°C
- * Screw Terminal for Option
- * 3-Year Product Warranty



SW20F / SW30F / SW40F NEW

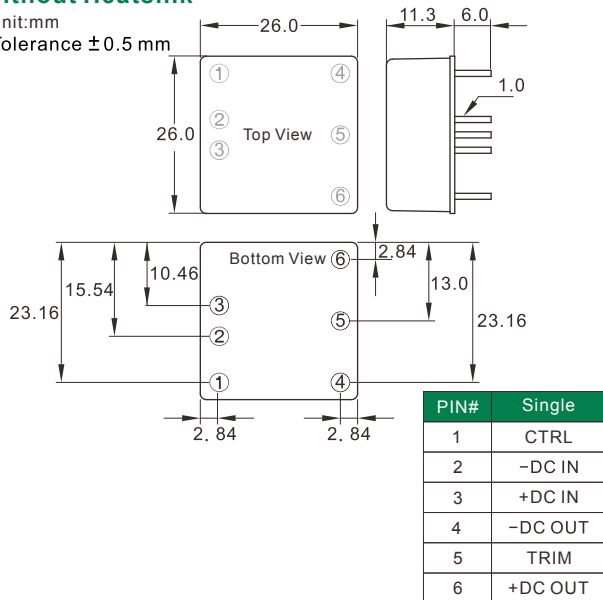
20 Watts / 30 Watts / 40 Watts



26.0 x 26.0 x 11.3 mm
1.02 x 1.02 x 0.45 inches

without Heatsink

Unit:mm
Tolerance ±0.5 mm



SW20F X / SW30F X / SW40F X NEW

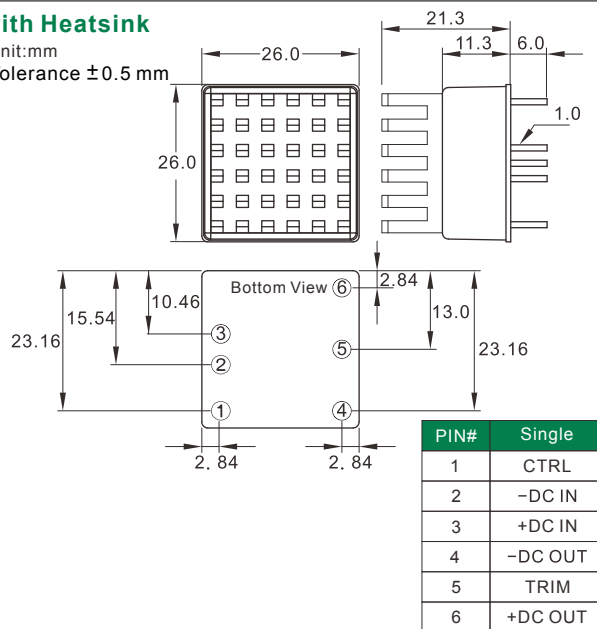
20 Watts / 30 Watts / 40 Watts



26.0 x 26.0 x 21.3 mm
1.02 x 1.02 x 0.84 inches

with Heatsink

Unit:mm
Tolerance ±0.5 mm



Model No.

▶▶ SW20F / SW20F X Single Output

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
SW20F-24-5S (X)	9~36	5	4000	89
SW20F-24-12S (X)	9~36	12	1667	90
SW20F-24-15S (X)	9~36	15	1333	88.5
SW20F-24-24S (X)	9~36	24	833	90
SW20F-48-5S (X)	18~75	5	4000	89
SW20F-48-12S (X)	18~75	12	1667	90
SW20F-48-15S (X)	18~75	15	1333	88.5
SW20F-48-24S (X)	18~75	24	833	90

▶▶ SW30F / SW30F X Single Output

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
SW30F-24-5S (X)	9~36	5	6000	88
SW30F-24-12S (X)	9~36	12	2500	90
SW30F-24-15S (X)	9~36	15	2000	89
SW30F-24-24S (X)	9~36	24	1250	88
SW30F-48-5S (X)	18~75	5	6000	88
SW30F-48-12S (X)	18~75	12	2500	90
SW30F-48-15S (X)	18~75	15	2000	89
SW30F-48-24S (X)	18~75	24	1250	88

▶▶ SW40F / SW40F X Single Output

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
SW40F-24-5S (X)	9~36	5	8000	91
SW40F-24-12S (X)	9~36	12	3333	92
SW40F-24-15S (X)	9~36	15	2667	92
SW40F-24-24S (X)	9~36	24	1667	92
SW40F-48-5S (X)	18~75	5	8000	91
SW40F-48-12S (X)	18~75	12	3333	92
SW40F-48-15S (X)	18~75	15	2667	92
SW40F-48-24S (X)	18~75	24	1667	92

Module Type — ST50F (X) Series 50W

(DC-DC) Converter

Features

- * Power Module for PCB Mountable
- * High Efficiency and Reliability
- * Wide Input Range 4:1
- * Low Ripple and Noise
- * Remote ON/OFF Control
- * Without Tantalum Capacitors Inside

- * Low Ripple and Noise
- * Remote ON/OFF Control
- * Wide Operating Temperature: -40°C ~ +80°C
- * Screw Terminal for Option
- * 3-Year Product Warranty



ST50F **NEW**

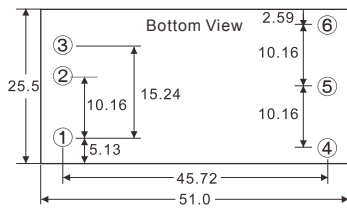
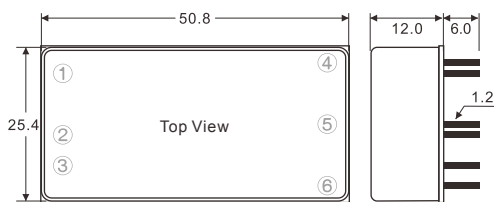
50 Watts



51.0 x 25.5 x 12.0 mm
2.01 x 1.0 x 0.47 inches

without Heatsink

Unit:mm
Tolerance ±0.5 mm



PIN#	Single
1	CTRL
2	-DC IN
3	+DC IN
4	TRIM
5	-DC OUT
6	+DC OUT

ST50F X **NEW**

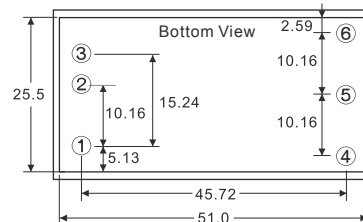
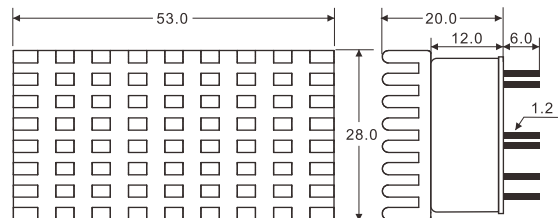
50 Watts



53.0 x 28.0 x 20.0 mm
2.09 x 1.1 x 0.78 inches

with Heatsink

Unit:mm
Tolerance ±0.5 mm



PIN#	Single
1	CTRL
2	-DC IN
3	+DC IN
4	TRIM
5	-DC OUT
6	+DC OUT

Model No.

▶▶ ST50F / ST50F X Single Output

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ST50F-24-5S (X)	9~36	5	10000	90
ST50F-24-12S (X)	9~36	12	4167	91
ST50F-24-15S (X)	9~36	15	3333	90
ST50F-24-24S (X)	9~36	24	2083	91
ST50F-48-5S (X)	18~75	5	10000	90
ST50F-48-12S (X)	18~75	12	4167	91
ST50F-48-15S (X)	18~75	15	3333	90
ST50F-48-24S (X)	18~75	24	2083	91

Module Type — ST60 (X) / ST80F (X) Series

DC-DC Converter

60W to 80W

Features

- * Power Module for PCB Mountable
- * High Efficiency and Reliability
- * Wide Input Range 4:1
- * Low Ripple and Noise
- * Remote ON/OFF Control
- * Without Tantalum Capacitors Inside

- * Low Ripple and Noise
- * Remote ON/OFF Control
- * Wide Operating Temperature: -40°C ~ +80°C
- * Screw Terminal for Option
- * 3-Year Product Warranty



ST60 / ST80F NEW

60 Watts / 80 Watts

ST60 **ST80F**

52.8 x 27.5 x 13.2 mm
2.08 x 1.08 x 0.52 inches

without Heatsink
Unit:mm
Tolerance ±0.5 mm

Top View

Bottom View

PIN#	Single
1	CTRL
2	-DC IN
3	+DC IN
4	TRIM
5	-DC OUT
6	+DC OUT

ST60 X / ST80F X NEW

60 Watts / 80 Watts

ST60 X **ST80F X**

53.0 x 28.0 x 21.2 mm
2.09 x 1.1 x 0.83 inches

with Heatsink
Unit:mm
Tolerance ±0.5 mm

Bottom View

PIN#	Single
1	CTRL
2	-DC IN
3	+DC IN
4	TRIM
5	-DC OUT
6	+DC OUT

Model No.

▶▶ ST60 Single Output

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ST60-48F-12S	18~72	12	5000	91
ST60-48F-15S	18~72	15	3700	90
ST60-48F-24S	18~72	24	2350	90

▶▶ ST60 X Single Output

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ST60-48F-12S X	18~72	12	5000	91
ST60-48F-15S X	18~72	15	4000	90
ST60-48F-24S X	18~72	24	2500	90

▶▶ ST80F / ST80F X Single Output

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ST80F-24-5S (X)	9~36	5	16000	92
ST80F-24-12S (X)	9~36	12	6666	93
ST80F-24-15S (X)	9~36	15	5333	93
ST80F-24-24S (X)	9~36	24	3333	93
ST80F-48-5S (X)	18~75	5	16000	92
ST80F-48-12S (X)	18~75	12	6666	93
ST80F-48-15S (X)	18~75	15	5333	93
ST80F-48-24S (X)	18~75	24	3333	93

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ARCH ELECTRONICS CORP.

We reserve the right to make alterations in the product materials and specifications without prior notification and consent to improve reliability, function or design or otherwise.

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SIP8 Package — SP10F Series 10W

(DC-DC) Converter

Features

- * Compact SIP8 Package
- * High Efficiency and Reliability
- * Single and Dual Output
- * Wide Input Range 4:1
- * Low Ripple and Noise
- * Remote ON/OFF Control
- * Without Tantalum Capacitors Inside
- * Low Ripple and Noise

- * Remote ON/OFF Control
- * Fixed Switching Frequency
- * Input Under-Voltage Protection
- * Low No Load Power Consumption
- * Continuous Short Circuit Protection
- * Wide Operating Temperature: -40°C~+85°C
- * 3-Year Product Warranty



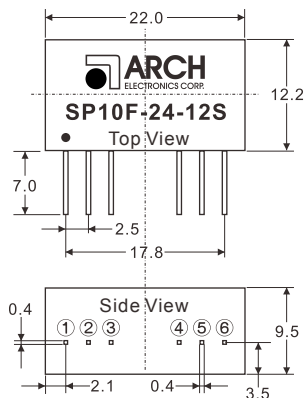
SP10F **NEW**

10 Watts



22.0 x 9.5 x 12.0 mm
0.87 x 0.37 x 0.47 inches

Unit:mm
Tolerance ±0.5 mm



PIN#	Single	Dual
1	-DC IN	-DC IN
2	+DC IN	+DC IN
3	CTRL	CTRL
4	+DC OUT	+DC OUT
5	-DC OUT	COMMON
6	NC	-DC OUT

Model No.

▶▶ SP10F Single Output

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
SP10F-24-5S	9~36	5	2000	84
SP10F-24-12S	9~36	12	833	88.5
SP10F-24-15S	9~36	15	666	89
SP10F-24-24S	9~36	24	417	88.5
SP10F-48-5S	18~75	5	2000	84
SP10F-48-12S	18~75	12	833	87.5
SP10F-48-15S	18~75	15	666	87.5
SP10F-48-24S	18~75	24	417	88.5

▶▶ SP10F Dial Output

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
SP10F-24-5D	9~36	±5	±1000	84.5
SP10F-24-12D	9~36	±12	±417	88
SP10F-24-15D	9~36	±15	±333	88
SP10F-48-5D	18~75	±5	±1000	84.5
SP10F-48-12D	18~75	±12	±417	88
SP10F-48-15D	18~75	±15	±333	87.5

1/4 Brick Package — SQ100 (X) Series 100W

DC-DC Converter

Features

- * Standard 1/4 Brick Package Package
- * High Efficiency and Reliability
- * Wide Input Range 8:1
- * Low Ripple and Noise
- * Remote ON/OFF Control
- * Without Tantalum Capacitors Inside
- * Low Ripple and Noise
- * Remote ON/OFF Control
- * Protections:
 - * Over Power / Over Voltage / Over Temperature / Short Circuit
 - * Wide Operating Temperature: -40°C ~ +105°C
 - * 3-Year Product Warranty



SQ100 **NEW**

100 Watts



57.9 x 36.8 x 12.7 mm
2.28 x 1.45 x 0.55 inches

SQ100 X **NEW**

100 Watts



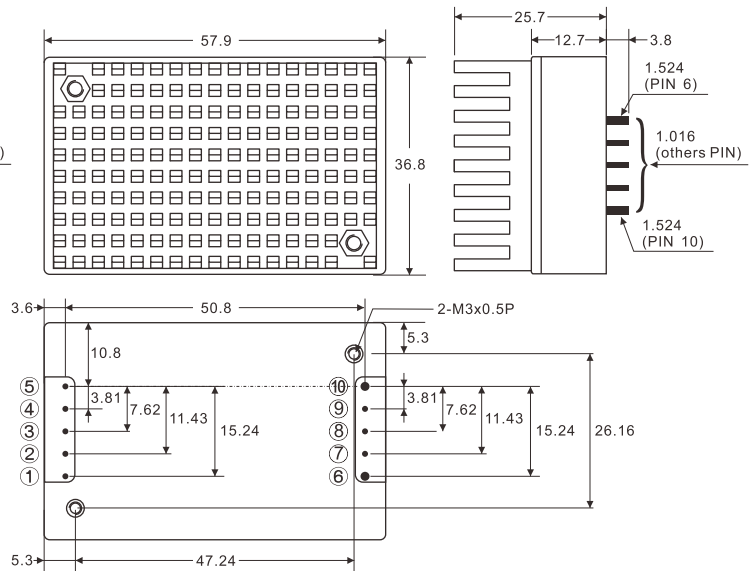
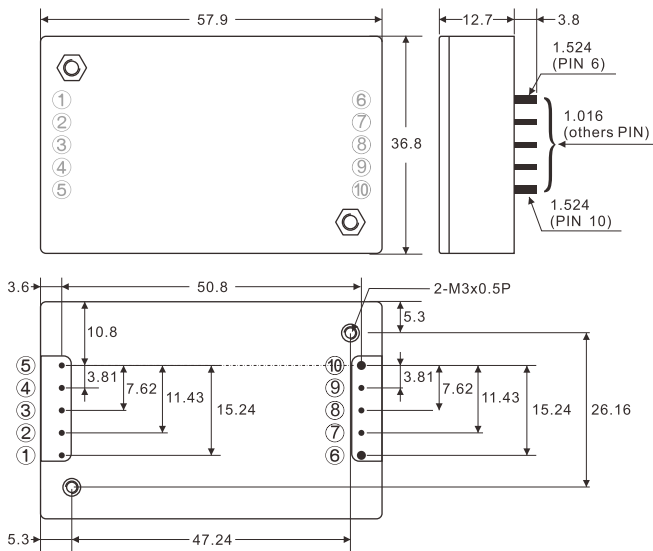
57.9 x 36.8 x 25.7 mm
2.28 x 1.45 x 1.02 inches

SQ100 (without Heatsink)

Unit:mm
Tolerance ±0.5 mm

SQ100 X (with Heatsink)

Unit:mm
Tolerance ±0.5 mm



Model No.

►► SQ100 / SQ100 X Single Output

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
SQ100-36-5S	9~75	5	20	88
SQ100-36-5S X				
SQ100-36-12S	9~75	12	8.35	88
SQ100-36-12S X				
SQ100-36-15S	9~75	15	6.7	89
SQ100-36-15S X				
SQ100-36-24S	9~75	24	4.2	88
SQ100-36-24S X				
SQ100-48-24S	9~75	48	2.1	90
SQ100-48-24S X				

PIN#	Single
1	+DC IN
2	UVLO (Option)
3	CTRL
4	BUS (Option)
5	-DC IN
6	+DC OUT
7	+SENSE
8	TRIM
9	-SENSE
10	-DC OUT

Screw Terminal & Din Rail Kit

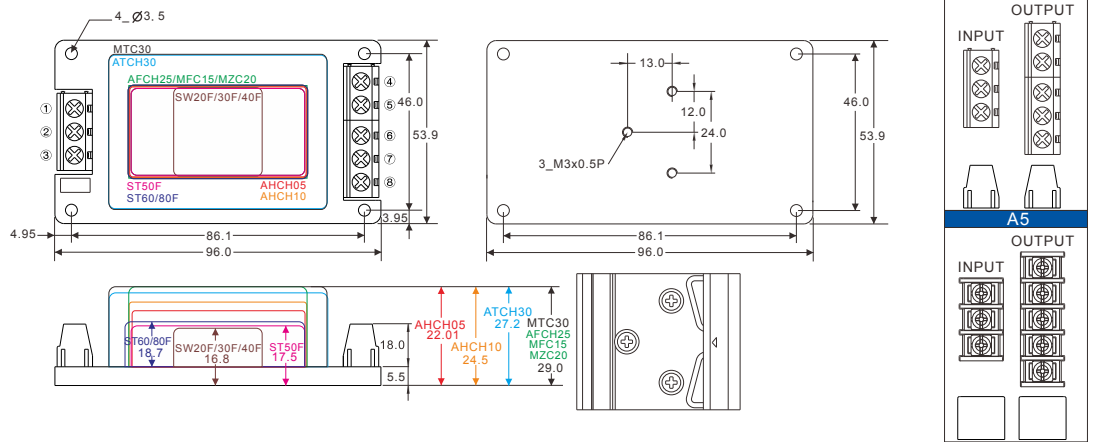
	A2	A5	A2-DN	A5-DN
Input				
Output				
Din Rail Kit	—	—	Din Rail Kit	Din Rail Kit

A2 / A2-DN

Suitable for Series :
 AFCH25, AHCH05/10,
 ATCH30, MFC15,
 MZC20, MTC30,
 SW20F/30F/40F (A2-DN N/A),
 ST50F/60/80F (A2-DN N/A)

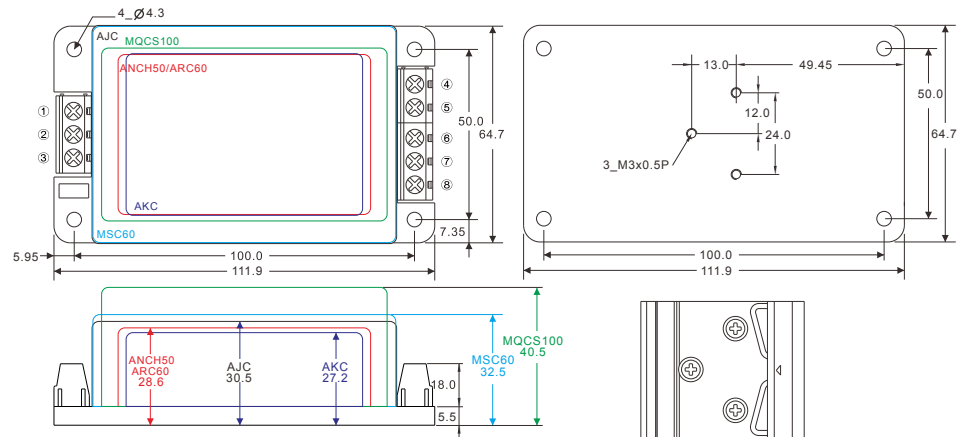
A5

Suitable for Series :
 SW20F/30F/40F,
 ST50F/60/80F



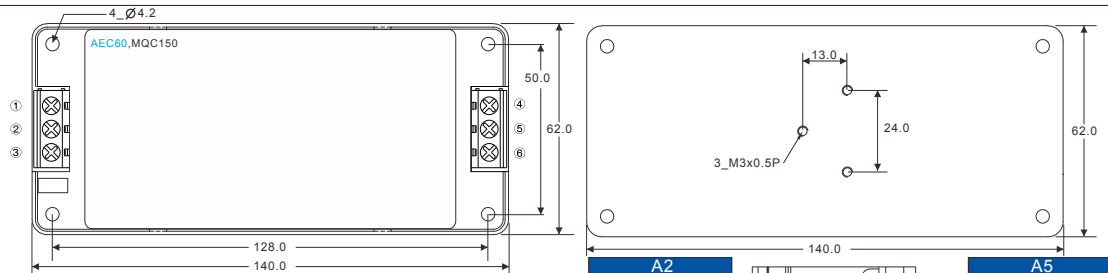
A2 / A2-DN

Suitable for Series :
 AJC, AKC, ANCH50,
 ARC60, MQCS100,
 MSC60



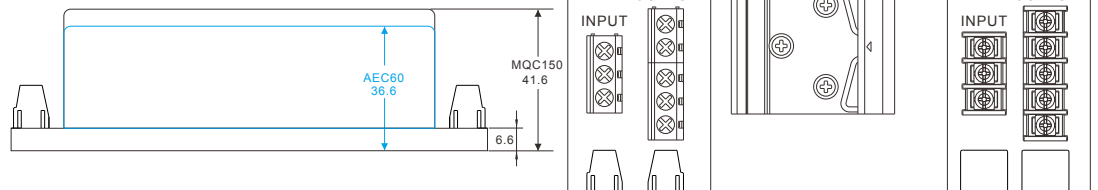
A2 / A2-DN

Suitable for Series :
 AEC60, MQC150

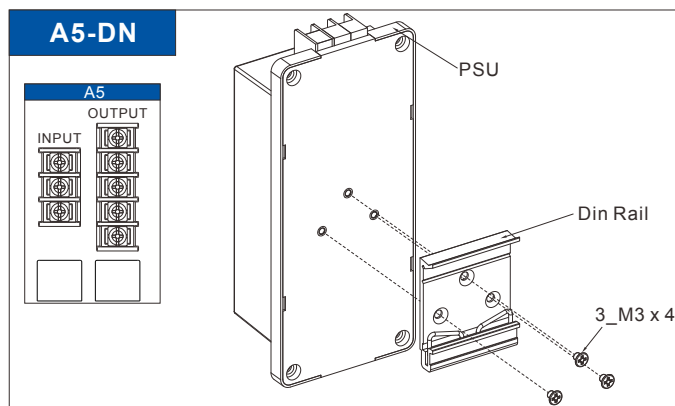
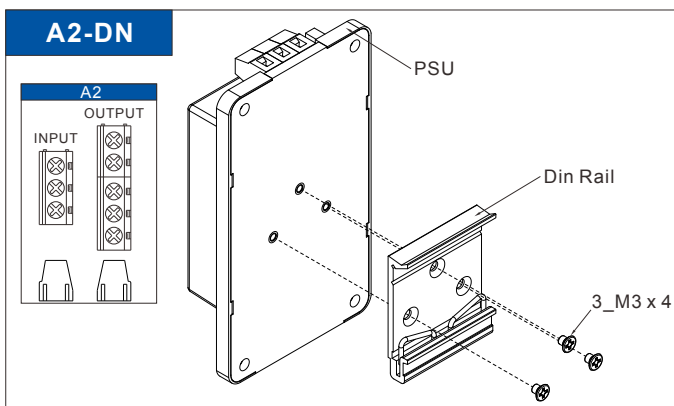


A5 / A5-DN

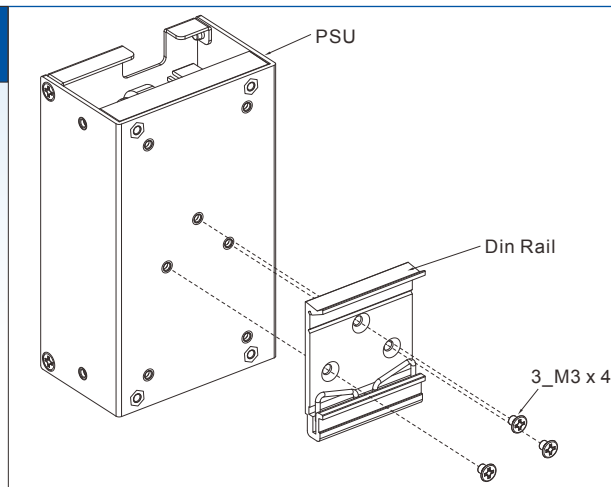
Suitable for Series :
 AEC60



Screw Terminal & Din Rail Kit



Switching Power Supply Din Rail Kit only for AES60E-DRK, AQF120E-DRK, AQF240E-DRK



Terminal Block

Series	Input Pin	Brands			Output Pin	Brands		
		Connector	Mating Housing	Terminal		Connector	Mating Housing	Terminal
ABR300U					4 PIN	DINKLE DT-2C-B07W-04		
ABR300U B TYPE	2 PIN	ANYTEK YK-312-2P			2 PIN	M5 Pan HD screw in 2 positions / Torque to 8 lbs-in(90 cNm) max.		
AES60E/O/U, AQF1000, SZA600/U					2 PIN	ANYTEK YK-312-2P		
AQF120E/O/U(5S N/A), AQF240E, AQF240U(5S N/A)					4 PIN	ANYTEK DG28S-B-04P		
AQF120E/O/U-5S	3 PIN	ANYTEK DG28S-B-03P			2 PIN	M5 Pan HD screw in 2 positions / Torque to 8 lbs-in(90 cNm) max.		
AQF240U-5S					4 PIN	M5 Pan HD screw in 2 positions / Torque to 8 lbs-in(90 cNm) max.		
AQF1000 A TYPE	2 PIN	Alex 8673-03N2 Molex 5273-03A	Alex 8639-03N2 Alex 8095-03N2 Molex 5195-03	Alex 23T or 24T series Alex 94T or 95T series Molex 5194T	4 PIN	Alex 8673-04N2 Molex 5273-04A	Alex 8639-04N2 Alex 8095-04N2 Molex 5195-04	Alex 23T or 24T series Alex 94T or 95T series Molex 5194T
AQF120E/O/U A TYPE(5S N/A), AQF240U A TYPE(5S N/A)	3 PIN	Alex 8673-05N2	Alex 8639-05N2 8095-05N2	Alex 23T or 24T series 94T or 95T series	8 PIN	Alex 8673-08N2 Molex 5273-08A	Alex 8639-08N2 Alex 8095-08N2 Molex 5195-08	Alex 23T or 24T series Alex 94T or 95T series Molex 5194T
AQF360E/F/U A TYPE AQFV480E/F/U A TYPE		Molex 5273-05A	Molex 5195-05	Molex 5194T	6 PIN*2	Alex 8673-06N2 Molex 5273-06A	Alex 8639-06N2 Alex 8095-06N2 Molex 5195-06	Alex 23T or 24T series Alex 94T or 95T series Molex 5194T
AQF120E/O/U B TYPE(5S N/A)	3 PIN	ANYTEK TI0324500010G			4 PIN	DINKLE DT-128V-1711-04P3		
AQF360E/F/U	3 PIN	DINKLE DT-2C-B07W-03			6 PIN	DINKLE DT-2C-B07W-06		
AQF600								
AQFV480E/F/U	3 PIN	DINKLE DT-49-B01W-03			6 PIN	DINKLE DT-49-B01W-06		
AQF700, AQF700C	3 PIN	ANYTEK YK-301-3P			2 PIN	M5 Pan HD screw in 2 positions / Torque to 8 lbs-in(90 cNm) max.		
ABR300U A TYPE					8 PIN	Alex 9397-8 JST B8P-VH	Alex 9396-8 JST VHR-8N	Alex 96T series JST SVH-41T-P1.1
MQF500E/O/U, ARF500E/O/U		Alex 9397-3	Alex 9396-3	Alex 96T series	2 PIN	M5 Pan HD screw in 2 positions / Torque to 8 lbs-in(90 cNm) max.		
ARF130E/U - MQF120E/O/U	3 PIN				4 PIN	Alex 9397-4 JST B4P-VH	Alex 9396-4 JST VHR-4N	Alex 96T series JST SVH-41T-P1.1
ARF240E/O/U A TYPE, MQF240E/O/U A TYPE		JST B3P-VH	JST VHR-3N	JST SVH-41T-P1.1	6 PIN	Alex 9397-6 JST B6P-VH	Alex 9396-6 JST VHR-6N	Alex 96T series JST SVH-41T-P1.1
ARF240E/O/U, MQF240E/O/U					2 PIN	M3.5 Pan HD screw in 2 positions / Torque to 8 lbs-in(90 cNm) max.		

NOTE

NOTE

Inquiry for Modified Standard Power Supply

Company : _____ Name : _____
 公司名稱 : _____ 姓名 : _____

Division : _____ Title : _____
 部門 : _____ 職稱 : _____

Address : _____
 地址 : _____

Country / City : _____ E-mail : _____

TEL : _____ FAX : _____

MECHANICAL CONSTRUCTIONS

AC/DC Converter
 DC/DC Converter
 Switching Power Supply
 AC EMI Filter
 Encapsulated
 Enclosed Type
 Open Frame Type
 U Bracket Type

Mechanical Dimensions (max.): L _____ W _____ H _____
 mm
 inches

INPUT SPECIFICATIONS

Input Voltage
 _____ ~ _____ V.AC
 Frequency _____ ~ _____ Hz
 _____ ~ _____ V.DC

Input / Output Isolation : YES Isolation : _____ V.AC
 V.DC
 NO

OUTPUT SPECIFICATIONS

		Output 1 <input type="checkbox"/> OVP	Output 2 <input type="checkbox"/> OVP	Output 3 <input type="checkbox"/> OVP	Output 4 <input type="checkbox"/> OVP
Voltage (V)					
Current nom. (A)	Min.				
	Max.				
Load Regulation (%)					
Ripple & Noise pk-pk (mV)					

Protection : Over Current
 Over Voltage (O.V.P.)
 Over Power
 Short Circuit

ELECTRONICAL SPECIFICATIONS

Operation Temperature : _____ to _____ °C
 Storage Temperature : _____ to _____ °C

Temperature Coefficient : _____ % / °C
 Trim : YES
 NO

Remote ON / OFF Control : YES
 NO
 Efficiency : _____ %

EMI / RFI Standard(s) : _____
 Safety Standard(s) : _____

QUANTITIES : Prototype _____ Pre-Production _____ Production _____ / year

SCHEDULE : Prototype _____ Pre-Production _____ Production _____ / year

TARGET PRICE : _____ (Production Quantity)

ADDITIONAL REQUIREMENTS :

NOTE

General

The following terms and conditions, any price list or schedule, catalog, quotation, or invoice from Seller relevant to the sale of the Products and/or Services by Seller to Buyer. Buyer's acceptance of the Product and/or Services will manifest Buyer's assent to these terms and conditions. If Seller and Buyer have a written agreement in effect that covers the sale of the Product and/or Services, that agreement will govern the terms and conditions of sale exclusively.

Orders

All orders are subject to product availability and acceptance by Seller. All orders must have scheduled delivery dates. Any purchase order with a balance is unscheduled will be subject to Seller's standard lead-time.

Prices

Prices in general are dependent on volume of the particular items purchased, terms of payment, and the credit worthiness of the Buyer, and are subject to change without prior notice.

Delivery

All orders are F.O.B. shipping point, all shipping costs and insurance, as applicable, shall be added to the purchase price and shall be paid by the Buyer. Unless otherwise instructed by Buyer, Seller will exercise its own judgment in the method of shipment.

Reschedule for Standard Products only

Products scheduled to ship within 30 days may be rescheduled. All standard products must be taken within 60 days of the original scheduled date. Once an originally scheduled date is rescheduled, it may not be rescheduled again.

Order Cancellation

- a. Special / Modified products: no cancellation will be allowed (100% cancellation fee)
- b. Standard products:
 - I. No charge within 3 days of the ordering day
 - II. 20% cancellation fee will be charged within 7 days of the ordering day
 - III. 30% cancellation fee will be charged within 15 days of the ordering day
 - IV. 50% cancellation fee will be charged within 30 days of the ordering day

Limited Warranty, Limitation Of Liability and Remedy

- a. **Limited Warranty and Remedy.**

Except as provided herein, seller expressly excludes and disclaims all warranties, expressed or implied including, without limitation, any implied warranty of merchantability or fitness for a particular purpose; and the warranty which follows in lieu of any and all other obligations or liability on seller's part. Seller warrants that it will repair or replace, at Seller's option, for any defective product because of defects in material, workmanship, which defect is discovered within warranty. This limited warranty does not extend to conditions causing the defect by Buyer such as misuse; neglect; improper installation; improper operation; inadequate maintenance, repair or alteration of the product; or unusual deterioration or damage to the product due to environment where used. Nor does said warranty cover accidental damage to the product.

To have this warranty apply

 - I. the products should be in warranty
 - II. the products shall be installed, used and maintained according to Seller's instructions and guidelines, if any, and
 - III. no modification to the products shall be made after shipment without written authorization from Seller.
- b. **Limitation of Liability.**

Under no circumstances will seller be liable for any incidental or consequential damages, or for any other loss, damage or expense of any kind, including loss of profits, arising in connection with this contract or with the use of or inability to use seller's products furnished under this contract. seller's maximum liability shall not exceed and buyer's remedy is limited to repair or replacement of the defective part of product.
- c. **Return of Product to Seller.**

Seller must be contacted and issue a return material authorization (RMA) Number prior to any product return, to assure receipt and proper credit. Any order returned to the Seller without an approved RMA Number will not be accepted.

RMA (Buyer should follow below procedure to return defective goods)

- a. Buyer must notify Seller in writing within the warranty period of any defect or nonconformance in the goods, by completing Seller's Return Merchandise Application form (RMA).
- b. Buyer must obtain authorized and an RMA number from Seller to return the defective goods.
- c. Buyer must pay for one-way shipping costs, additionally, acceptance of returned goods are subject to Seller's examination of such goods, or verify that the defect or nonconformance or difficulty was not in any way caused the negligence, improper installation, misuse or unauthorized repair of the goods. Seller may refuse acceptance of returned goods that do not follow this procedure.

Attention

- a. Customer should compensate, protect and ensure ARCH away from the following jeopardy: All and any kind of obligation, loss, expense, lien, claim, etc. caused by negligence or misconduct of customer, and his team member, agent, employee, contractor or assignee.
- b. We do best to ensure the exactness of information on the catalog. If there's any discrepancy in the specification sheet & catalog, the former should be given precedence over all others.
- c. For continuous product improvement, ARCH reserves the right to revise any information on catalog & specification sheet without any prior notice.
- d. The action to be strictly recommended that customers manage a sample test for evaluation and approval before placing formal order.



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