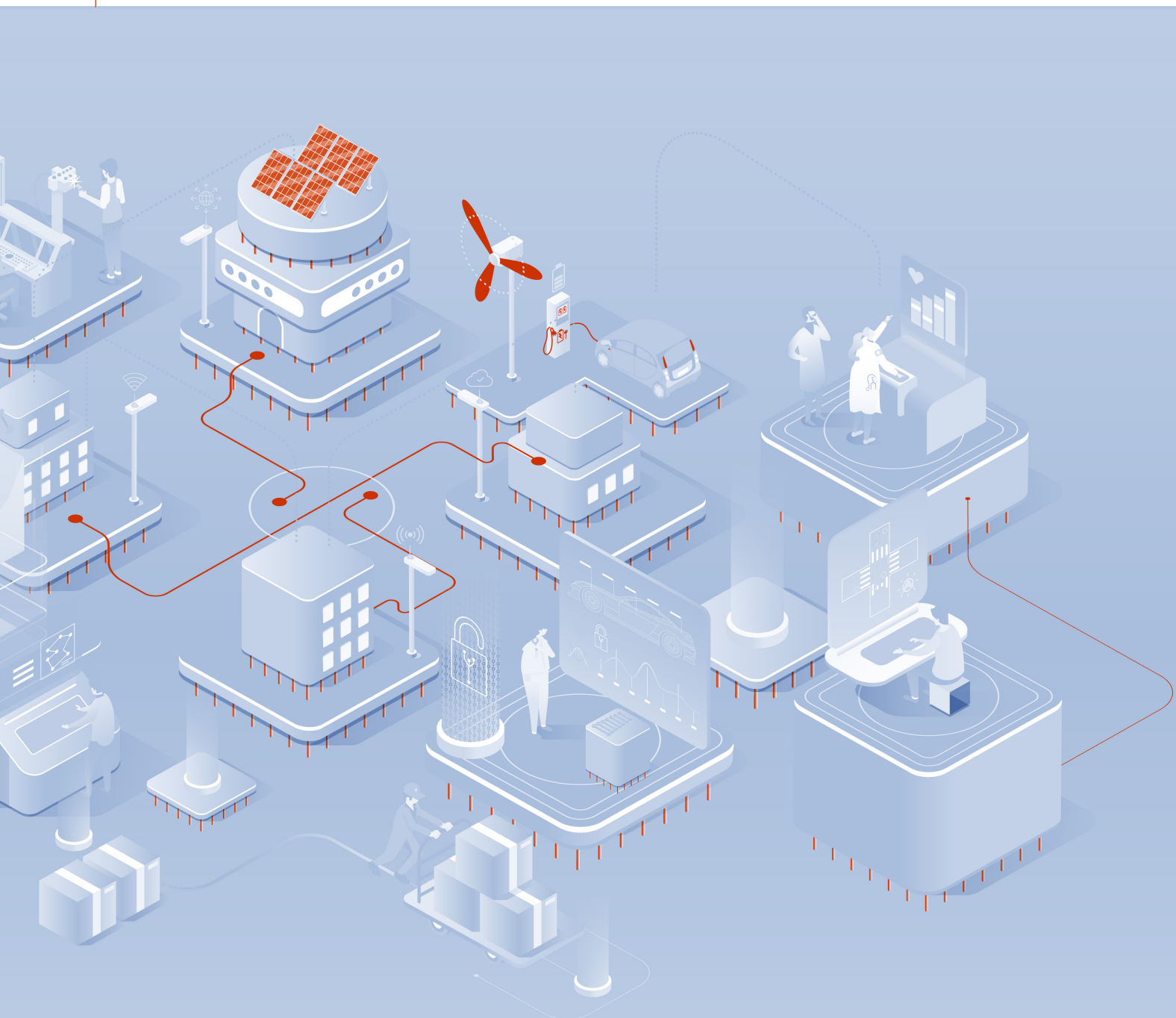




Power conversion, EMC and power components

Innovative power solutions for demanding applications worldwide



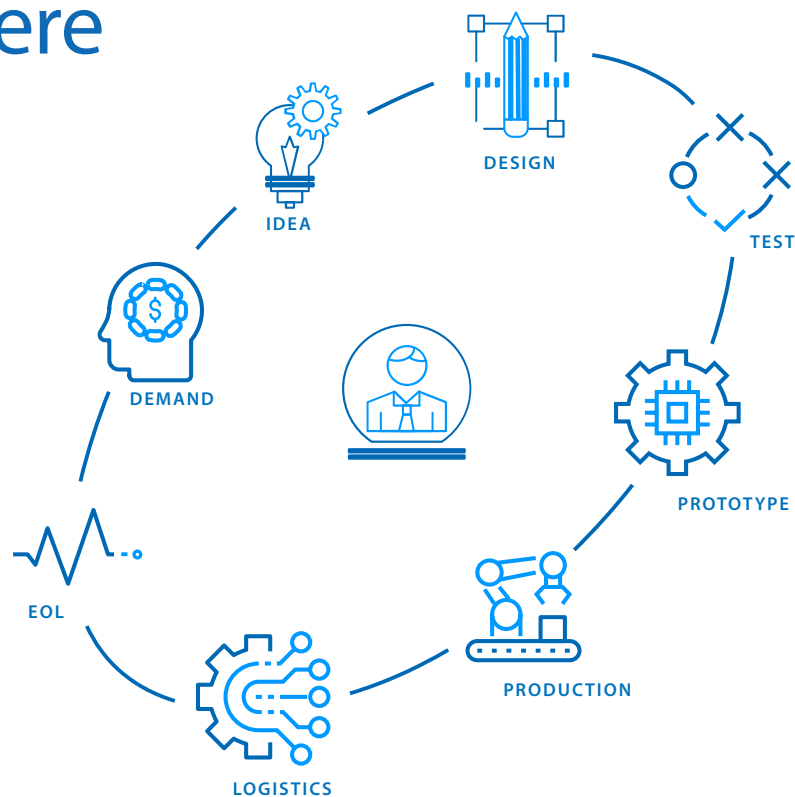
Power & EMC & Alcom



Alcom's innovative power, filter and battery solutions cover the smallest converters for PCB mounting up to highly scalable cabinets for heavy duty indoor or outdoor use.

Alcom provides value-add services such as pre-tested "power + embedded mainboards" or "power + lighting"-bundles as well as custom-configured power supplies to ensure the selected combinations fit the total engineered solution. Pure power management board modules include plug & play Power DC/DC solutions, power modules with integrated inductors, power over ethernet, wireless charging solutions & power management ICs. EMI/EMC filters, suppression and power magnetic components complete the range of products.

Co-creation starts here



Alcom considers everybody an indispensable added value in the collaborative chain with all of its partners.



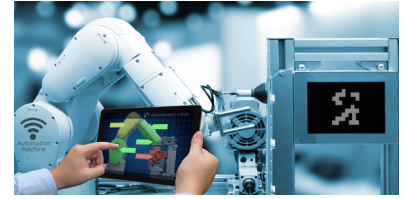
Applications & Markets



HOME & BUILDING AUTOMATION



ENERGY & UTILITIES



FACTORY & INDUSTRIAL AUTOMATION, ROBOTICS



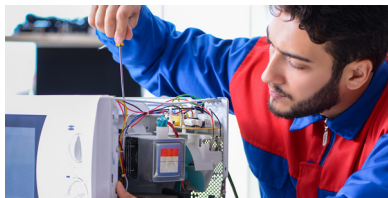
IIOT & INDUSTRY 4.0



MEDICAL, HEALTHCARE & FITNESS



WIRED DATA & TELECOM



WHITE GOODS & HOME APPLIANCES



E-MOBILITY



T&M AND INSTRUMENTATION



TRAFFIC & TRANSPORTATION



AEROSPACE & MILITARY



AVIONICS & SATELLITE

KEY PARTNERS



Product technology overview



Batteries

- Lithium, silver oxide & tabbed lithium coin cells
- Rechargeable lithium and lithium-ion polymer batteries
- Thin-film batteries
- Battery holders and hearing aids
- Battery packs
- Driving solutions for e-mobility



DC/AC inverters

- Medical-grade UPS systems
- UPS for residence, retail, edge computing, server rooms, cloud & datacenter infrastructure



LED power drivers & controls

- Programmable LED power-constant current; constant power; constant voltage
- Standard and smart outdoor/indoor LED power drivers
- Power-to-light solutions
- DC powered LED drivers
- Light management by voice command
- Wireless and smart intelligent control and dimming
- Flush mount solutions

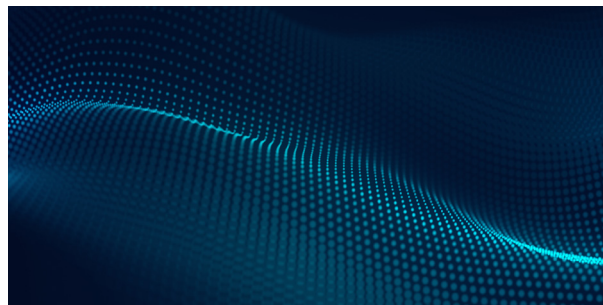
AC/DC power supplies

- Open frame, Enclosed, encapsulated, board mount, din rail, rack mount, HiRel and MIL-COTS
- External plug-in adapters; desktop, flush-mount and USB power supplies
- Industrial, ITE, household, gaming, medical, MIL, aero- approved power
- Standard/modular/configurable & customer-specific power
- Military power systems-rackmount, VPX, configurable
- LED power



Battery chargers

- Battery management ICs
- Compact interchangeable AC-plug & desktop chargers
- Intelligent eco-friendly battery charge modules
- Battery chargers for lead acid and lithium-ion batteries
- E-Mobility converters including on board chargers

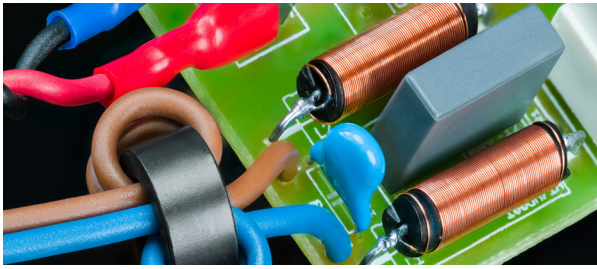


DC/DC converters

- Open frame, enclosed, encapsulated, board mount, external, rack mount
- DC/DCs for general industrial, data & telecom, pv, medical and rail
- Brick DC/DC Converters
- Power modules with integrated inductors
- Power management ICs
- MIL-COTS



Product technology overview

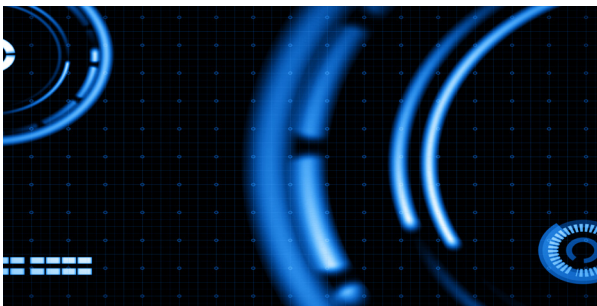


EMC/EMI/RFI filters

- EMI and RFI filter components
- Suppression components including capacitors, coils, transformers and HF chokes
- Power entry modules with filter, single and 3-phase block filters
- EMI shield windows for TFT modules

PoE power management modules

- PoE PD & PSE ICs & integrated modules
- High power PoE transformers
- PoE systems including injectors/midspan and switches

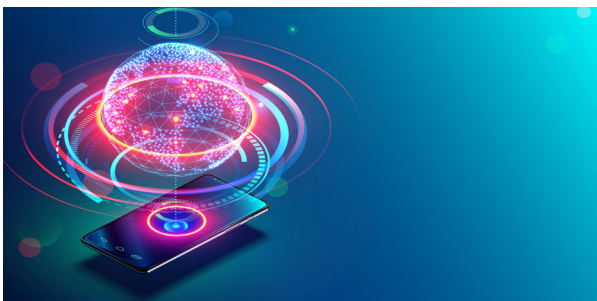


Power management ICs

- AC/DC & DC/DC power management
- PMIC, LDO, supervisory & power management
- Single & multiple output power modules with integrated inductor
- Semi-shielded, molded inductors supporting power management ICs
- Automotive buck, boost, PMIC, linear regulators
- LED lighting automotive backlight, illumination & signalling, monitoring, supervision
- Power switches & modules
- Transient voltage suppressors

Power solutions >1000 Watt

- Modular high density configurable and conduction cooled power supplies up to 1200W
- Coolant power supplies providing conduction, convection, air and liquid cooling
- Power distribution units

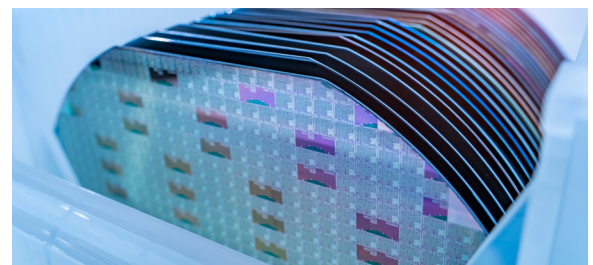


Power semiconductors & modules

- Diodes, rectifiers, power MOSFET & JFETs, thyristors
- Power modules with integrated inductors
- IGBT drivers & SIC driver DC/DC converters
- Wireless power module

Wireless charging

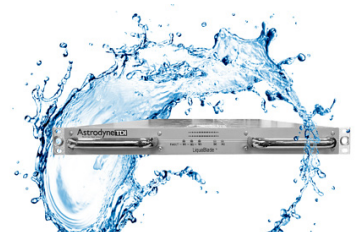
- Wireless power transceiver, receiver and transmitter modules
- Wireless charger Tx/Rx flash MCU's
- Inductive charging



New product releases

LIQUID-COOLED POWER SUPPLIES

Reduce Power System Complexity and Time to Market with the World Leader in Liquid Cooled DC Power Solutions. Our multiple Liquid Cooled Power Supply solutions offer a wide range of models with fully programmable outputs.

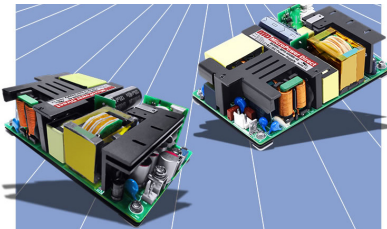


EMI/EMC FILTERS FOR EV CHARGING STATIONS

Combat EMI and RFI issues quickly and effectively with EMC solutions by Astrodyne TDI. Our offering includes an array of AC and DC EMI/EMC Filters solutions guaranteed to meet the needs of DC fast chargers, high power rectifiers, inverters, induction & industrial chargers, and solar power applications. Astrodyne TDI's high-voltage high-current EMI Filters are designed to provide varying levels of attenuation and leakage currents.

6W DC/DC POWER MODULE

The MJWI06C series is a new range of high performance DC/DC converters featuring a wide 4:1 input range in a chassis-mount package with terminal strip connections and optional DIN-Rail mounting offer system designers the opportunity to eliminate the power board request in the field application.



1ULTRA-HIGH POWER DENSITY, UL 60601 APPROVED 550W AC/DC POWER SUPPLY

The MPO-550MS, an ultra-miniature, high performance 550W switching power supply. Although very small, these units feature reinforced insulation, UL 60601 & UL 62368 approvals, 4,000 VAC I/O isolation, active PFC, and tight line/load regulation. Its combination of industry approvals, high power density, robust performance, configuration flexibility and low cost make it an excellent choice for a wide range of industrial, medical (including BF), home or office applications.

ELECTRIC VEHICLE ON-BOARD DC/DC AND CHARGERS

EV on-board DC/DC converters are available with multiple input voltage ranges covering from 65V to 800V.

EV On-board chargers are available with universal input voltage and either single 6.6KW OBC or 2-in-1 integrated 6.6KW OBC, 2.5KW DC/DC and 1.6KW inverter.



THE FLEXIBILITY OF USER-CONFIGURABLE AND MODULAR POWER SOLUTIONS

Modular power supplies consist of a front end which interact with a variety of output modules to provide design engineers with as many as sixteen isolated output voltages, which can be individually adjusted to exact specifications, all from one single power solution.

Alcom product portfolio

ELECTRONIC COMPONENT SOLUTIONS	WIRELESS EMBEDDED CONNECTIVITY & SENSORS	WIRELESS & INDUSTRIAL CONTROLS NETWORKING	DISPLAY & TOUCH
LED & SOLID STATE LIGHTING	POWER & EMC	RUGGED MOBILE COMPUTING	EMBEDDED SYSTEMS, AI & EDGE COMPUTING

- Semiconductors
- Frequency & timing
- Power management
- Circuit protection & discretes
- Magnetics
- Passives & electromechanical
- Connectors & cable assemblies
- Photonics

- Wireless modules
- Antenna's
- Sensors

- Routers & gateways
- Wireless embedded computers
- Industrial ethernet and IP variations
- Wired & wireless machine networking
- Antenna's
- Device to cloud solutions
- Connectivity & remote management services
- Networking & connectivity

- Displays
- Touch screens
- Optical bonding
- Total display solutions

- LED light sources
- Optics
- Thermal management
- Power & intelligent controls
- LED modules

- AC/DC power supplies
- DC/DC converters
- Power management modules
- Wireless charging
- E-mobility solutions
- Transformers & power inductors
- UPS
- EMC filters

- Tablets
- PDA's
- Vehicle mount computers
- Accessories

- Computer-on-modules
- Embedded boards
- Industrial PC & automation
- System integration

Bridging the gap between technology, people and business with a human interface.





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Get to know us

ALCOM PROVIDES THE WORLD'S MOST ADVANCED TECHNOLOGIES.

With a team of like-minded entrepreneurs, Alcom will continue to inspire its valued customers to use advanced innovative building blocks in vertical markets. The importance of providing high-level services and a human interface based on specialism, knowledge and design-in expertise will remain key differentiators.

Alcom is positioned for growth. We invite all our customers to discuss their current and future concepts and designs. Let's connect, work and grow together.

