

# DC FAST CHARGING STATION SOLUTIONS

## EMI/EMC Filters for Reliable System Performance

*"Don't compromise your system's design, find the right filter solution for stress free EMI compliance"*

### INPUT POWER FILTERS



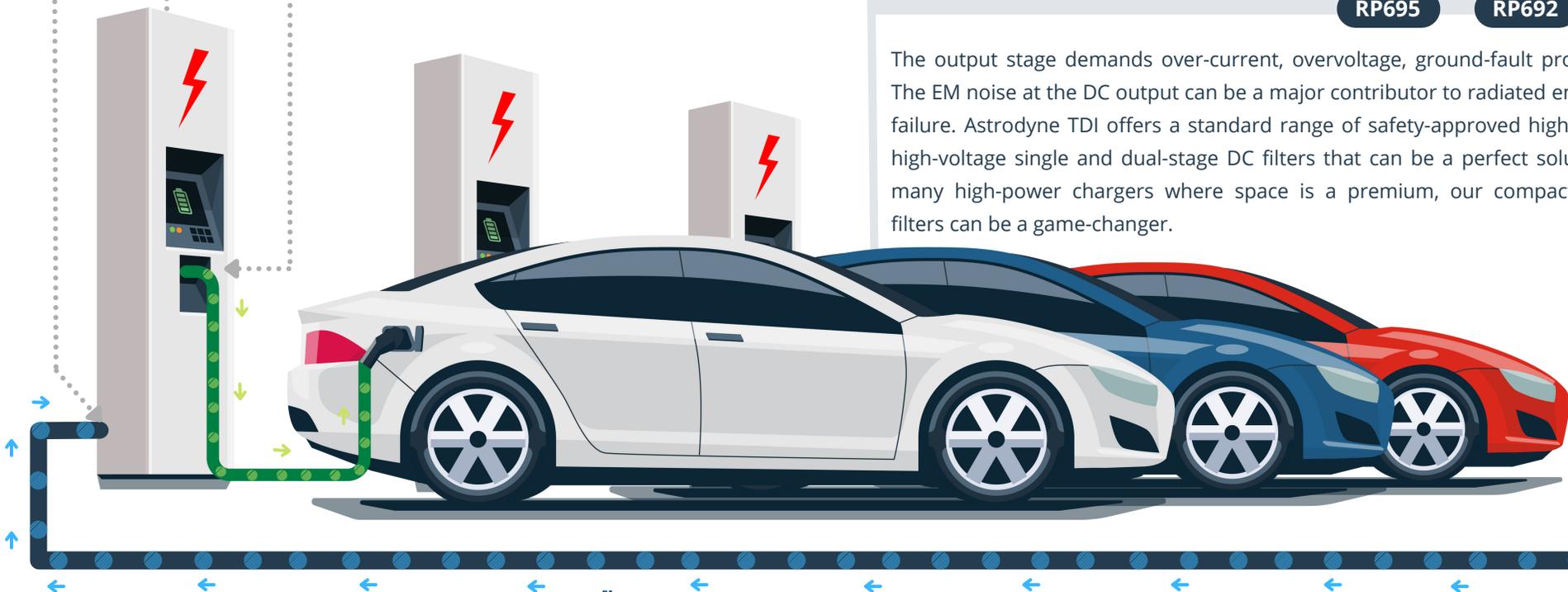
3-Phase input to DC fast-chargers requires multiple stages of power conversion. This can introduce considerable electromagnetic noise in the systems, which makes the conducted and radiated emissions compliance quite challenging. Astrodyne TDI offers safety-approved standard 3-Phase filters in many different topologies to minimize EMI in every application and ensure equipment compliance.

### AC-DC RECTIFICATION → POWER FACTOR CORRECTION → DC-DC CONVERSION

### OUTPUT POWER FILTERS



The output stage demands over-current, overvoltage, ground-fault protection. The EM noise at the DC output can be a major contributor to radiated emissions failure. Astrodyne TDI offers a standard range of safety-approved high-current high-voltage single and dual-stage DC filters that can be a perfect solution. In many high-power chargers where space is a premium, our compact RP695 filters can be a game-changer.



# EMI/EMC FILTERS FOR EV CHARGING STATIONS

## *Compact High-Voltage Solutions*

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. An extensive product line covers low to very high attenuation performance levels ensuring optimized performance for every application. Our highly experienced team of EMI engineers can provide modified standard and fully custom solutions to meet the most demanding product-specific needs.

### **AC and DC EMI/EMC Filter capabilities include:**

- ✓ Rated currents up to 2500 amps
- ✓ Rated voltages up to 600 VAC / 1500 VDC
- ✓ Single-Phase, Three-Phase, and DC power
- ✓ Single, Dual, and Multi-Stage designs - a broad range of performance
- ✓ Multiple interconnection options - bus bars, studs, connectors, and wire leads
- ✓ Agency approved to UL60939-3, CSA C22.2 8-13, EN 60939
- ✓ **Selectable Y-capacitors to comply with any leakage current limit**



**Download datasheet bundle  
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