Power Supplies for Vehicles & Transportation



- DC/DC
- High Efficiency
- High Reliability
- Wide Input
- Cooling Options
- EMC

POWER SUPPLIES FOR VEHICLES & TRANSPORTATION

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- Wide Temperature Range
- High Efficiency
- High Isolation
- Low Noise
- Weatherproofing
- Low Standby Power



AGRICULTURE

BUSES

- Protection Against Vibration
- Wide Temperature Range
- High Reliability
- Small Size
- Waterproofing



- Wide Input Range
- High Reliability
- High Efficiency
- Vibration Control/Protection
- Weatherproofing

- Long Life
- High Efficiency
- Moisture Protection
- Vibration Control/Protection
- Weatherproofing
- Isolation from Ground & Other Equipment

WHERE ARE POWER SUPPLIES INSTALLED IN VEHICLE & TRANSPORTATION APPLICATIONS?

RAILWAY

- Trackside
 Infrastructure
- Signaling
- Displays
- Crossing Control

AGRICULTURE

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- Tractors
- Weighing Systems
- Irrigation Systems
- Sorting Machines
- Milking Machines

EV

- On Board Chargers
- Plug-In Electric
 Vehicles
- Home and DC Charging Stations

CONSTRUCTION

- Vehicles
- Cranes
- Cement Mixer
- Slurry Pumps
- Stone Crushers

BUSES

- Components and Systems
- Control Modules and Relays
- Electric Buses

SAFETY STANDARDS FOR VEHICLE & TRANSPORTATION

RAILWAY

- EN50121EN50124
- EN50163
- RIA
- EN50125

EN50155

NFA01-510VDE

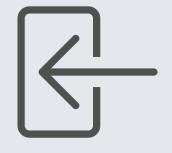
EV

- EN 61851-1 (AC Chargers)
- IEC 61851-3 (On Board Chargers for E Scooters)
- EN 61851-23 (EV DC Chargers)
- ISO 6469, ISO/IEC 27000, IEC 60346-7-722, SAE J1766, ISO 17409, IEC 61140, IEC 62040, IEC 60529

AGRICULTURE

- UL 1004-1 (Rotating Electrical Machines)
- UL 1004-3 (Thermally Protected Motors)
- C22.2, No. 100 (Motors and Generators Canada)
- CE Low Voltage Directive 2006/95/EC
- CE Machinery Directive 2006/42/EC

GENERAL POWER SUPPLY REQUIREMENTS FOR VEHICLE &TRANSPORTATION APPLICATIONS



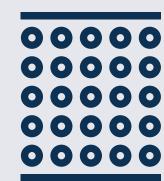
WIDE INPUT VOLTAGE RANGE



INPUT LOW VOLTAGE PROTECTION



WEATHER PROOFING



HIGH POWER DENSITY



HIGH RELIABILITY



HIGH EFFICIENCY



ENCAPSULATED OR SHIELDED PACKAGING FOR CONDUCTIVE COOLING