

INTRODUCING

HIGH POWER CHARGING INLETS

- Support high power charging to reduce downtime and maximize productivity
- Rugged design for vehicles and equipment that operate in harsh environments and have longer lifetimes



Part of the HIVONEX portfolio for high voltage E-mobility, TE Connectivity's (TE) charging inlets, built specifically for industrial and commercial vehicles, are the right choice for fast and secure charging. The newest addition is our high power charging inlets, designed to support high power charging up to 500 A continuous to reduce downtime and maximize productivity in vehicles and equipment that operate in harsh environments and have longer lifetimes.

TARGET MARKETS

- Truck
- Bus
- Agriculture
- Construction
- Special Vehicles
- Mining

APPLICATIONS

- Charging battery electric vehicles with either AC or DC charging

ELECTRICAL

- Temperature range: -40°C to +85°C
- Voltage rating: up to 250 V AC, 1000 V DC
- Current rating: up to 80 A AC (CCS1); up to 63 A AC (CCS2); 500 A DC

MECHANICAL

- Flammability rating: UL94-V0
- IP rating: IP67
- Variants: CCS1 and CCS2

KEY BENEFITS

- Capable of supporting continuous higher power charging up to 500 A DC at 1000 V for quick charging
- Optional LED indicator and AC charging with the flexibility to choose for the end user
- Choice of 95 mm² or 120 mm² DC cable size
- Available in pre-packaged kits for added convenience
- Optimal thermal management is upheld along the charging pathway to minimize component wear and enhance durability
- Increased sealing performance allows the inlet to withstand harsh environments
- Provides accurate temperature monitoring and improves overall safety
- Flap assembly provides extra protection from harsh elements (dust, oil, etc.) typical of industrial applications
- Designed with the ability to withstand high-vibration environments (Vibration ISO 16750-3 Test VII)

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