

Electric Vehicle Charging Interconnect

Delivering the Industry's first, UL Rated, J1772 Level 2 "75 Amp" 4 hour full charging solution!

The Challenge

With the release of the SAE J1772 specification in January 2010, a standard adopted in both the USA and Japan for Level 1 and Level 2 electric vehicle charging, the automotive market demanded a robust coupler capability of passing the demanding UL 2251 agency approvals. Further, specific customer demands necessitated a high amperage solution required to address fast charging expectations.

The Engineered Product Solution

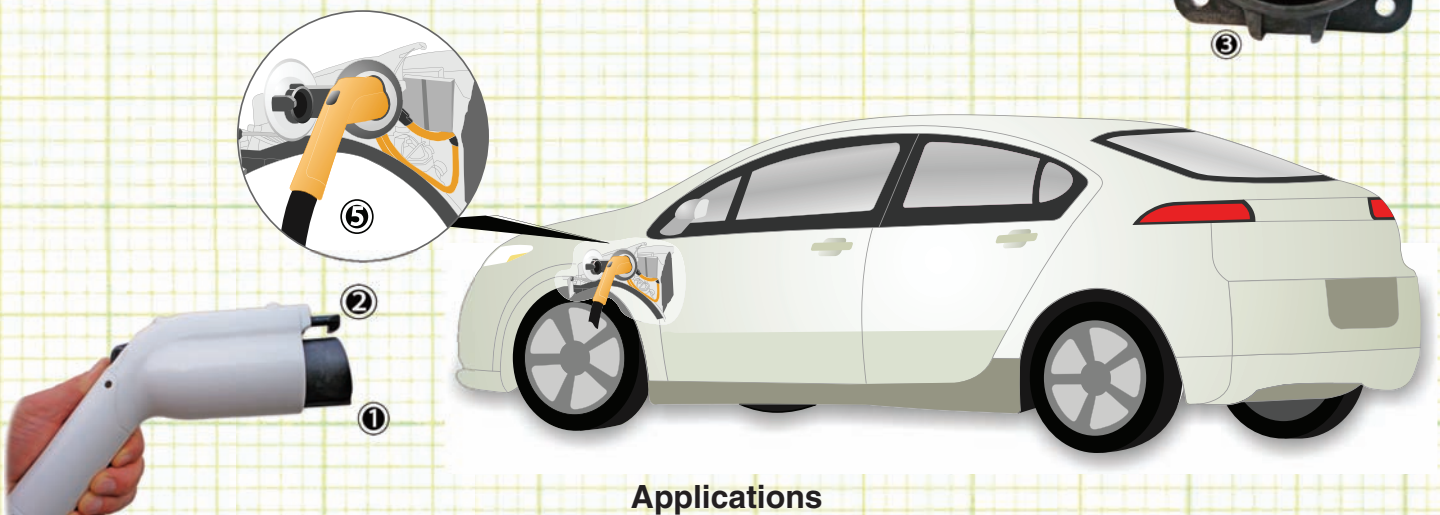
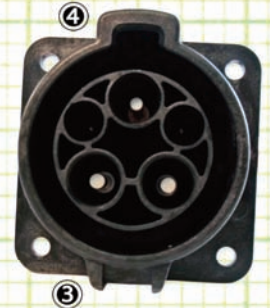
Design and realization of an innovative, industry leading design meeting the stringent UL approvals and providing flexible functionality, with minimal modifications, across a power curve ranging from a low of 15 amps 120 volts to a high of 75 amps 240 volts.

Innovative Interconnect Benefits

- UL Certification, File Number E330790
- Four hour full charge with 75 AMP version
- Shock Proof, Finger Tip protected power and ground pin contacts on the inlet side
- Anti-Freeze drain holes for outdoor use
- Knurled human factors handle

Attributes and Values

1. Canted Spring Contact Technology, providing charging options from 15 amps to 75 amps with minimal product modification to the coupler side only
2. UL approval to a 75 amp current rating, accommodating UL2251 certification against stringent electrical and mechanical specifications, the only marketed product meeting this amperage approval
3. Utilization of standard ITT VEAM CIR series backshells, flange gaskets, and mounting plates, providing for an enhanced cable management system incorporating robust and proven technologies
4. Single inlet design, allowing for level 1 and 2 charging at 120V or 240V
5. Optimized flexible cable design; accommodating greater ease of use when coiling for storage or incorporating innovative retractable cable units



Applications

- Electric Passenger Vehicles
- Home Charging Units
- Public Infrastructure Charging Units
- Roadside Assistance Trucks
- Electric Fleet Vehicles
- Electric Motorcycles

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