



ITT

Interconnect Solutions
Cannon, VEAM, BIW

Delivering the
Industry's first, UL Rated,
J1772 Level 2 "75 AMP"
Less than Four Hour
Charging Solution



Engineered for life

SAE J1772 – UL Recognized – Level 2 75Amp Charging

With the recent release of the SAE Electric Vehicle J1772 charging specification in 2010, a standard for the Americas and Japan now exists.

The ITT Interconnect Solutions EVC Series line addresses the needs for a higher amperage solution reducing the Level 2 charge time by 50%. The interconnect system is the first UL 2251 certified 75A / 240V charging interconnect system.

The specification includes four charging options:

15A	110 – 120V	Level 1
15A	208 – 240V	Level 2
30A	208 – 240V	Level 2
75A	208 – 240V	Level 2



WHEN Time Really Matters

ITT Interconnect Solutions is pleased to introduce our latest automotive power interconnect series, the EVC Series of J1772 connectors and cable assemblies.

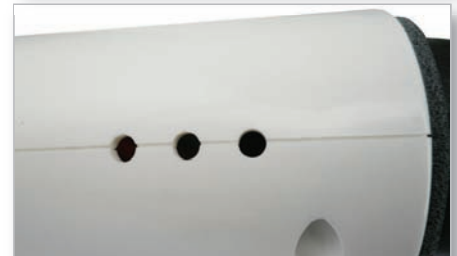
The EVC Coupler will accommodate 15A to 75A AC systems with our innovative HEP contact interconnect. The handle is ergonomically designed through Focus Group inputs. Rated at 10,000 cycles, the equivalent years with one charge a day would be over 27 years of use.



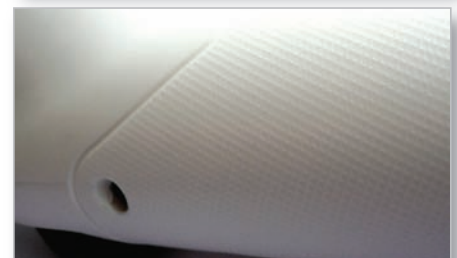
HEP contact technology provides four charging options and 10,000 mating cycles with minimal impact to the J1772 design.



A customized strain relief eliminates cable overstressing and provides sealing to IP44. Our selected EVE cable provides additional weight reductions and flexibility for ICS customers.



Drain holes were included to eliminate the possibility of latch mechanism freezing and charge inoperability in low temperature regions.



Human factors design considerations incorporate a selectively textured handle for secured gripping and molded anti-theft locking features.



The inlet / receptacle incorporates a rear accessory thread for direct application of our proven cable management backshell system providing space requirement reductions of over 25%.

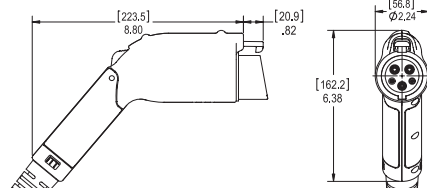
WHY INNOVATIVE CUSTOMERS CHOOSE ITT

- **Adherence to SAE J1772 specification** *ensuring compatibility with all supplier interfaces*
- **The ITT ICS HEP contact technology** *provides flexible charging options, both Level 1 and Level 2 and guarantees 10,000 mating cycles*
- **A customized strain relief** *eliminates cable overstressing and provides sealing to IP44. Our selected EVE cable provides additional weight reductions and flexibility for ICS customers.*
- **Drain holes** *included to eliminate the possibility of latch mechanism freezing and charge inoperability in low temperature regions*
- **Human factors design considerations** *incorporate a selectively textured handle for secured gripping and molded anti-theft locking features*
- **The inlet / receptacle** *incorporates a rear accessory thread for direct application of our proven cable management backshell system providing space requirement reductions of over 25%*
- **Low contact resistance** *delivers 100% +/- 1 charging efficiencies*
- **Drive interlock protection contact** *reduces the electrical arcing of the Coupling / Plug during disconnect*

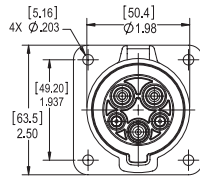


Optimized Ergonomic Design & Industry Leading Charging Time

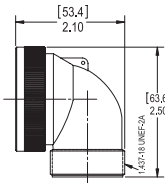
J1772 Coupler / Plug



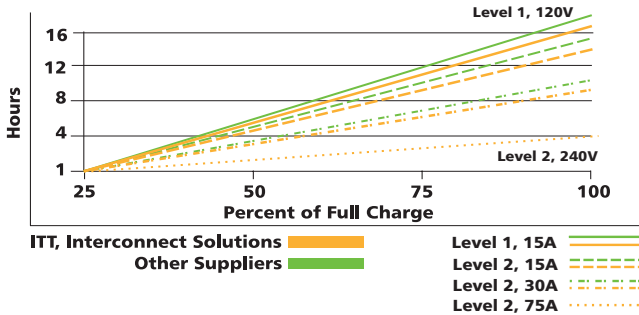
J1772 Inlet / Receptacle



BACK SHELL



Less than 4 Hour Charging Solution*



*Charging times reflect estimates based upon the standard SAE J1772 specification and typical industry applications for pure electric vehicles accommodating over a 100 mile range. Actual charging times will vary, based upon specific customer applications, battery sizes, and electrical system functionality and integration.

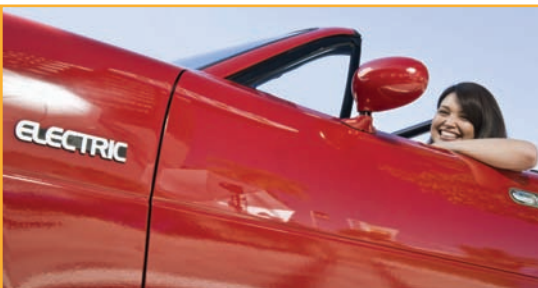
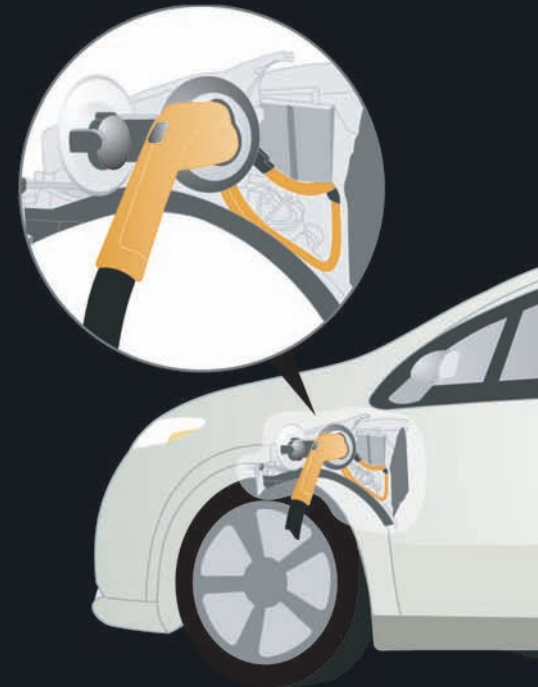
Innovative Functionality & Global Execution

With the ITT Interconnect Solutions EVC Series, a 75A / 240V Level 2 full charge will take less than four hours.* This charging time reflects a greater than 50% reduction over current competitive SAE charging offerings. Partnered with ITT ICS's pioneering engi-

neering capability and globally deployed manufacturing excellence, we welcome your opportunity to define, execute, and field the next generation of electric vehicle interconnects and establish the correct supply capability, localized to your unique needs.

APPLICATIONS

- Electric Passenger Vehicles
- Home Charging Units
- Public Infrastructure Charging Units
- Roadside Assistance Trucks
- Electric Fleet Vehicles
- Electric Watercraft
- Electric Golf Carts
- Electric Tractors
- Electric Motorcycles
- Electric Buses



THINK ABOUT ITT

Reliability, Innovation, and Engineered Solutions, these terms collectively describe ITT Interconnect Solutions and define a legacy of Interconnect Science spanning nearly a century, reflecting billions of quality products sold, and incorporating the three industry leading brands of Cannon, VEAM, and

BIW. Our Innovation Timeline uniquely defines a historical compendium of interconnect leadership spanning over 90 years and including many industry firsts; Audio Connectors, Aviation Circulars, D-Sub's, Micro's, fiber optic assemblies, Zero Insertion Force Technologies, and other advanced applications of Interconnect Science. When collaborating with a technology leader, choose a participant with documented trust, established through multi-

industry achievements as substantiated through the participation on every free world space mission, the creation of the first Mil / Spec interconnects, participation on the first talking movie, 100% reliability for over 45 years in Rail applications, and numerous additional achievements in major Military, Aerospace, Industrial, Medical, and Power markets. At ITT ICS, we truly are "Engineered for Life™."

Think about ITT.





ITT



Global Manufacturing and Customer Support

North America

MEXICO - Cannon, VEAM
 Av. Libre Comercio s/n-
 entre Calzada Industrial
 Nuevo Nogales y Calzada del Raquet Club,
 Parque Industrial Nuevo Nogales
 phone: +52.631.3110050
 fax: +52.631.3110060

USA - Cannon
 666 East Dyer Road
 Santa Ana, CA 92705
 toll free: 1.800.854.3028
 phone: +1.714.557.4700
 fax: +1.714.628.2142

USA - BIW
 500 Tesconi Circle
 Santa Rosa, CA 95401
 phone: +1.707.523.2300
 fax: +1.707.523.3567

USA - VEAM
 100 New Wood Road
 Watertown, CT 06795
 phone: +1.860.274.9681
 fax: +1.860.274.4963

Europe & Middle East

FRANCE - Cannon, VEAM
 15, Boulevard Robert Thiboust
 Serris, France 77700
 phone: +33.1.60.04.93.93
 fax: +33.1.60.04.93.90

GERMANY - Cannon, VEAM
 Cannonstrasse 1
 Weinstadt, 71384
 phone: +49.7151.699.0
 fax: +49.7151.699.217

ITALY - VEAM
 Corso Europa 41/43
 Lainate (MI), Italy 20020
 phone: +39.02938721
 fax: +39.0293872300

LEBANON - BIW
 P.O. Box 199
 Jounieh
 Lebanon
 phone: +961.9.911.560
 fax: +961.9.912.126

UK - Cannon, VEAM
 Jays Close, Viabes Estate
 Basingstoke, RG22 4BA
 phone: +44.1256.311200
 fax: +44.1256.323356

Asia

CHINA - Cannon, VEAM
 Tuopandun Industrial Area, Jinda Cheng,
 Xiner Village, Shajing Town,
 Baoan District, Shenzhen City,
 Guangdong, China 518125
 phone: +86.755.2726.7238
 fax: +86.755.2726.7515

HONG KONG - Cannon, VEAM
 Units 2405-6, 24/F, ING Tower
 308 Des Voeux Road
 Central
 Hong Kong
 phone: +852.2732.2720
 fax: +852.2732.2919

INDIA - Cannon, VEAM
 ITT Corporation India Pvt Ltd
 2nd Fl Prama House
 21 Cama Industrial Estate
 Walbhat Road, Goregaon (E),
 Mumbai
 phone: +91 22 67843000
 fax: +91 22 26783033

JAPAN - Cannon, VEAM
 11-3, 5 Chome, Hibarigaoka, Zama-shi
 Kanagawa, Japan 228-0003
 phone: +81.462.57.2010
 fax: +81.462.57.1680

SINGAPORE - Cannon, VEAM
 10 Jalan Kilang #06-01 Singapore
 159410
 phone: +65.62763693 ext 232
 fax: +65.62763685