

# 11 kW Type 2 Portable Charger

## Objectives

- ❖ IEC 62196-2 Plug, Portable EV Charger, Home Charger 16A (11 kW), IP66, AC, EV Plug, 5m Length
- ❖ Type-2 EV Plug, CEE (5-Pin) Plug, 5m Length.
- ❖ Designed with AC charging mode for convenient charging of electric vehicles (EV) and electric vehicles supply equipment (EVSE), Charging Everywhere
- ❖ Charge coupler compliant with IEC 62196-2
- ❖ Ergonomic design and impact resistant
- ❖ Mechanical Lifespan: Over 10,000 mating cycles
- ❖ Overheating protection mechanism
- ❖ Over Voltage, Over Current Protection
- ❖ Earthing Protection
- ❖ Short Circuit Protection
- ❖ IP66 ingress protection rating.
- ❖ Adopt a bright and smooth panel design with built-in LCD display and LED indicators.



## Applications

- ❖ Highway Fuel Outlets/service station
- ❖ Parking garage/back office
- ❖ Mall, shopping complex, university
- ❖ Commercial fleet operators
- ❖ EV infrastructure operators and service providers
- ❖ EV dealer workshop



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SPECIFICATIONS	
Application	For charging electric vehicles (EV) with AC
BMS Communication	YES
Coding	680 $\Omega$ (between PE and PP)
Contact Pin	Copper Alloy, Silver Plating
Contact Resistance	0.5 megohm MAX
Flame Retardant Grade	UL94 V-0
IC-CPD Enclosure Material	ABS
IC-CPD LCD Display	YES
IC-CPD Standard	IEC 62752
Insulation resistance	>1000M $\Omega$ (DC500V)
Note on the connection method	Crimp connection, cannot be disconnected
Over-charge protection	YES
Over-discharge protection	YES
Over-temperature protection:	YES
Plug Type	Type-2 Female
Power Contact	5 (L1, L2, L3, N, PE)
Product type	AC Portable charging cable
Shell material	Thermoplastic
Signal Contact	2 (CP, PP)
Soft-start function	YES
Supply Connector	CEE (Industrial 5-Pin Plug)
Temperature Resistance	<50K

TECH GREEN INNOVATIONS

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ELECTRICAL PROPERTIES	
Charging current (Max)	16A
Charging power	Max 11kW
Earth leakage detection	YES
IC-CPD Operating Voltage	480V
IC-CPD Protection Degree	IP 66
IC-CPD Rated Current (Max)	16A
No Of Phase	Three
Operating Voltage	480V
Overcurrent Protection	YES
Overvoltage Protection	YES
Rated current	16A
Rated current Signal Contact	2A
Rated voltage	480 V
Rated voltage Signal Contact	30 V AC
Short-circuit Protection	YES
Type of charging current	AC single-phase

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MECHANICAL PROPERTIES	
Impact Insertion Force:	>300N
Insertion force	< 100 N
Insertion/withdrawal cycles	> 10000
Mating Cycles	>10000
Sealing gasket	Rubber or silicon rubber
Withdrawal force	< 100 N
STANDARD & CLASSIFICATIONS	
Comply to AIS- 038 (Rev. 2)	YES
Comply to IEC 61851-21-2	YES
Comply to IS 17017 (Part 21/Sec 2)	YES
Standard	IEC 62196-2 (Type-2)
Wiring standard	EN 50620
AMBIENT PROPERTIES	
Operating Temperature	-30C to +65C
CABLE PROPERTIES	
Approx. Diameter Cable (mm)	15.0 ± 0.50
Cable Length	5 Meter
Cable Nominal Conductor Size (Sq. mm)	5 Core x 2.6 Sq. mm 2 Core x 0.5 Sq. mm
Cable Outer Sheathing	Thermoplastic polyurethane (TPU)

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