

82 kW (2DC + 1AC) Combination Charger Technical Parameters

Objectives

- ❖ Ideal choice and commercial EV charging.
- ❖ RFID card reader, APP based for user identification Security Protocols and management
- ❖ Input:380Vac~440Vac
- ❖ Output: - 2*30kW@150A + 22kW@32A
- ❖ Stylish, ergonomic and customizable design
- ❖ Firmware OCPPv1.6 updates through remote connection up to 2.0J
- ❖ Charging interface: Input plug CCS-2 female connector.
- ❖ User-friendly LCD Touch display for customer interface.
- ❖ Wired connectivity, Easy to install, operate and service. Safety
- ❖ Measures-Emergency stop button with 18 various type protection
- ❖ Robust IK10/ IP55 ingress protection for indoor/outdoor applications

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

Model List

Function	Type- 1	Type- 2	Type- 3	Type- 4
	BASIC	LAN	Wi-Fi	4G
RFID	X	✓	✓	✓
LAN	X	✓	✓	✓
Wi-Fi	X	X	✓	X
4G	X	X	X	✓
OCPP	X	✓	✓	✓



82 kW (2DC + 1AC) Combination Charger Technical Parameters



SL. No.	Parameters	Requirments
General Information		
1.	EV Charger Type	2DC+1AC
2.	Charger Capacity	2*30Kw DC + 22kW AC
3.	Product Model No.	HSEF- (30)2+22(ADC)3(82ADC)1000S
4.	Mounting	Floor-Mounting
Input Requirement		
5.	AC Supply System	Three-Phase,5 Wire AC System
6.	Nominal Input Voltage	AC380V±15%
7.	Input Frequency	50-60Hz
Environmental		
8.	Ambient Temperature Range	-25 to 55°C
9.	Ambient Humidity	5 to 95%
10.	Storage Temperature	-40 to 70°C
Mechanical		
11.	IP Rating	IK10/IP55
12.	Cooling	Air Forced Cooled
Output Capacity		
13.	Number of Output	2DC + 1AC
14.	Max. Power Output from each Gun	CCS-2:- Max. 30kW 200v-1000v DC and 150Amp CHAdeMO:- Max 30kW 200v-1000v DC and 150Amp Type-2 :- 380~440V AC 32A/63A
15.	Max. Output Current	200Amp
.	Power Factor	≥0.99(50% load above)
16.	User Interface & Display	
17.	Display and Touch Screen Size	7 inches Touches Screen With Shell
18.	User Authentication	Mobile Application or user interface/ QR Code / RFID Card/ Password Login
19.	Metering Information	Consumption Units(kWh)
Communication		
20.	Communication Between EVSE and CMS	OCPP v 1.6 or above- 10/100 Base - T Ethernet (standard)/ Optional GSM Modem (2G/3G/4G) or Wireless
21.	Communication Between Charger & Vehicle	CAN Based Communication as per AIS 138
Protection & Safety		
22.	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, CHAdeMO etc.
23.	Safety Parameters	Over Current, Under Voltage , Residual Current , Surge Protection, Leakage Protection , Short Circuit, Over Temperature, etc

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142 kW (2DC + 1AC) Combination Charger Technical Parameters

Objectives

- ❖ Ideal choice and commercial EV charging.
- ❖ RFID card reader, APP based for user identification Security Protocols and management
- ❖ Input:380Vac~440Vac
- ❖ Output: - 2*60kW@250A + 22kW@32A
- ❖ Stylish, ergonomic and customizable design
- ❖ Firmware OCPPv1.6 updates through remote connection up to 2.0J
- ❖ Charging interface: Input plug CCS-2 female connector.
- ❖ User friendly LCD Touch display for customer interface.
- ❖ Wired connectivity, Easy to install, operate and service. Safety
- ❖ Measures-Emergency stop button with 18 various type protection
- ❖ Robust IK10/ IP55 ingress protection for indoor/outdoor applications

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



Model List

Function	Type- 1	Type- 2	Type- 3	Type- 4
	BASIC	LAN	Wi-Fi	4G
RFID	X	✓	✓	✓
LAN	X	✓	✓	✓
Wi-Fi	X	X	✓	X
4G	X	X	X	✓
OCPP	X	✓	✓	✓

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142 kW (2DC + 1AC) Combination Charger Technical Parameters



SL. No.	Parametrs	Requirments
General Information		
1.	EV Charger Type	2DC+1AC
2.	Charger Capacity	2*60Kw DC + 22kW AC
3.	Product Model No.	HSEF- (60)2+22(ADC)3(142ADC)1000S
4.	Mounting	Floor-Mounting
Input Requirement		
5.	AC Supply System	Three-Phase,5 Wire AC System
6.	Nominal Input Voltage	AC380V±15%
7.	Input Frequency	50-60Hz
Environmental		
8.	Ambient Temperature Range	-25 to 55°C
9.	Ambient Humidity	5 to 95%
10.	Storage Temperature	-40 to 70°C
Mechanical		
11.	IP Rating	IK10/IP55
12.	Cooling	Air Forced Cooled
Output Capacity		
13	Number of Output	2DC + 1AC
.	Max. Power Output from each Gun	CCS-2*2:- Max. 60kW 200v-1000v DC and 250Amp Type-2*1 :- 380~440V AC 32A
14	Max. Output Current	200Amp
.	Power Factor	≥0.99(50% load above)
User Interface & Display		
15	Display and Touch Screen Size	9.1 inches Touches Screen With Shell
18.	User Authentication	Mobile Application or user interface/ QR Code / RFID Card/ Password Login
19.	Metering Information	Consumption Units(kWh)
Communication		
20.	Communication Between EVSE and CMS	OCPP v 1.6 or above- 10/100 Base - T Ethernet (standard)/ Optional GSM Modem (2G/3G/4G) or Wireless
21.	Communication Between Charger & Vehicle	CAN Based Communication as per AIS 138
Protection & Safety		
22.	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, CHAdeMO etc.
23.	Safety Parameters	Over Current, Under Voltage , Residual Current , Surge Protection, Leakage Protection , Short Circuit, Over Temperature, etc

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15 kW/30 kW GB/T (DC001) DC Charger Specification

Objectives

- ❖ Ideal choice and commercial EV charging.
- ❖ RFID card reader, APP based for user identification / Security Protocols and management
- ❖ Input: AC400V±15% & 23.5Amp / 47Amp
- ❖ Output: - 15kW @ 200A /30kW @ 250 A
- ❖ Stylish, ergonomic and customizable design
- ❖ Firmware OCPPv1.6 updates through remote connection up to 2.0J
- ❖ Charging interface: Input plug CCS-2 female connector.
- ❖ User friendly LCD Touch display for customer interface.
- ❖ Wired connectivity, Easy to install, operate and service.
- ❖ Safety Measures-Emergency stop button with 18 various type protection
- ❖ Robust IK10/ IP54 ingress protection for indoor/outdoor applications



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



15 kW/30 kW GB/T (DC001) DC Charger Specification



Parameters		Requirements	
General Information	EV Charger Type	DC GBT	
	Charger Capacity	15KW Commercial Charger	30KW Commercial Charger
	Model Name	HSEF-15K(D)1G(GBT)W 1000S	HSEF-30K(D)2G(GBT)W 1000S
	Mounting & Cable routing	Floor Mounting & Bottom Intel wiring	
Input Requirement	AC Supply System	3-Phase,5 Wire (3P, N, PE) AC System	
	Input voltage & Current	AC400V±15% & 23.5Amp	AC400V±15% & 47Amp
	Wires	5 Wires (L1, L2, L3, N, PE)	
	Frequency	50Hz / 60Hz	
Output Power	No of outputs	01	02
	Output Connectors	GB/T female connector	
	Charging Interface	GB/T 20234.3 executive standard	
	Output Voltage & Current	200 VDC – 1000 VDC & 200Amp Max	200 VDC – 1000 VDC & 250Amp Max
	Power Factor	≥0.99(50% load above)	
Environment	Ambient & Storage Temperature	-25 degree to 55 degrees & -20°C to 75°C	
	Altitude & Humidity	<2000 Mtr & 5% to 95%, non-condensing	
	Cooling Method	Air Forced Cooled	
User Interface & Display	Charging Type	HMI/APP/CMS	
	Display & Language	7" Display & English	
	Push Button	Emergency Stop	
	User Authentication	Mobile / QR Code / RFID / Password login	
	Metering Information	Consumption Units(kWh)	
Communication	Network Connectivity	LAN/GSM/Wi-Fi	
	Firmware (between EVSE & CMS) & Connectivity	OCCP v.1.6 or above	
	Communication between charger & vehicle	PLC Based Communication	
	Updates	Through remote connection up to 2.0 J	
Mechanical	IP Rating	IP54 / IK 10	
	Cable Length & Weight	5 Mtr & 200kg	5 Mtr & 220kg
	Dimension	1600*690*850	1600*690*851
	Enclosure materials	Carbon steel	
	Protection & Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, Door opening protection etc.	
	Compliance/Standard/Certification	EN IEC61851-1:2019/61851-1:2017/62955:2018, CE, CPWD, ISO	
	Warranty	12 Months	

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30 kW DC Single Gun Charger Technical Parameters

Objectives

- ❖ Ideal choice and commercial EV charging.
- ❖ RFID card reader, APP based for user identification
- ❖ Security Protocols and management
- ❖ Input: AC400V±15%
- ❖ Output: - 30kW @ 80A
- ❖ Stylish, ergonomic and customizable design
- ❖ Firmware OCPPv1.6 updates through remote connection up to 2.0J
- ❖ Charging interface: Input plug CCS-2 female connector.
- ❖ User friendly LCD Touch display for customer interface.
- ❖ Wired connectivity, Easy to install, operate and service.
- ❖ Safety Measures-Emergency stop button with 18 various type protection
- ❖ Robust IK10/ IP54 ingress protection for indoor/outdoor applications



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



30 kW DC Single Gun Charger Technical Parameters



Parameters		Requirements
General Information	EV Charger Type	DC CCS-2
	Charger Capacity	30KW Commercial Charger
	Model Name	HSEF-30K(D)1G(CCS2)W 1000S
	Mounting & Cable routing	Wall-Mounting & Bottom Intel wiring
Input Requirement	AC Supply System	3-Phase,5 Wire (3P, N, PE) AC System
	Input voltage & Current	AC400V±15% & 47Amp
	Wires	5 Wires (L1, L2, L3, N, PE)
	Frequency	50Hz / 60Hz
Output Power	No of outputs	01
	Output Connectors	CCS-2 female connector
	Charging Interface	IEC 62196, 61851, SAE J 1772, CHAdeMO
	Output Voltage & Current	200 VDC – 1000 VDC & 80Amp Max
	Power Factor	≥0.99(50% load above)
Environment.	Ambient & Storage Temperature	-25 degree to 55 degrees & -25°C to 75°C
	Altitude & Humidity	<2000 Mtr & 5% to 95%, non-condensing
	Cooling Method	Air Forced Cooled
User Interface & Display	Charging Type	HMI/APP/CMS
	Display & Language	7" Display & English
	Push Button	Emergency Stop
	User Authentication	Mobile / QR Code / RFID / Password login
	Metering Information	Consumption Units(kWh)
Communication	Network Connectivity	LAN/GSM/Wi-Fi
	Firmware (between EVSE & CMS) & Connectivity	OCCP v.1.6 or above
	Communication between charger & vehicle	PLC Based Communication
	Updates	Through remote connection up to 2.0 J
Mechanical	IP Rating	IP54 / IK 10
	Cable Length & Weight	5 Mtr & 70kg
	Dimension	450*760*236mm
	Enclosure materials	Carbon steel
	Protection & Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, Door opening protection etc.
	Compliance/Standard/Certification	EN IEC61851-1:2019/61851-1:2017/62955:2018, CE, CPWD, ISO
	Warranty	24 Months

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40 kW DC Dual Gun Charger Technical Parameters

Objectives

- ❖ Ideal choice and commercial EV charging.
- ❖ RFID card reader, APP based for user identification /Security Protocols and management
- ❖ Input: AC400V±15%
- ❖ Output: - 40kW@150Amp
- ❖ Stylish, ergonomic and customizable design
- ❖ Firmware OCPPv1.6 updates through remote connection up to OCPPv2.0J
- ❖ Charging interface: Input plug CCS-2 female connector.
- ❖ User friendly LCD Touch display for customer interface.
- ❖ Wired connectivity, Easy to install, operate and service.
- ❖ Safety Measures-Emergency stop button with 18 various type protection
- ❖ Robust IK10/ IP54 ingress protection for indoor/outdoor applications



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



40 kW DC Dual Gun Charger Technical Parameters



	Parameters	Requirements
General Information	EV Charger Type	DC CCS-2
	Charger Capacity	40KW Commercial Charger
	Model Name	HSEF-40K(D)2G(CCS2)W 1000S
	Mounting & Cable routing	Floor-Mounting & Bottom Intel wiring
Input Requirement	AC Supply System	3-Phase,5 Wire (3P, N, PE) AC System
	Input voltage & Current	AC400V±15% & 62Amp
	Wires	5 Wires (L1, L2, L3, N, PE)
	Frequency	50Hz / 60Hz
Output Power	No of outputs	02
	Output Connectors	CCS-2 female connector
	Charging Interface	IEC 62196, 61851, SAE J 1772, CHAdeMO
	Output Voltage & Current	200 VDC – 1000 VDC & 150Amp Max
	Power Factor	≥0.99(50% load above)
Environment.	Ambient & Storage Temperature	-25 degree to 55 degrees & -25°C to 75°C
	Altitude & Humidity	<2000 Mtr & 5% to 95%, non-condensing
	Cooling Method	Air Forced Cooled
User Interface & Display	Charging Type	HMI/APP/CMS
	Display & Language	7" Display & English
	Push Button	Emergency Stop
	User Authentication	Mobile / QR Code / RFID / Password login
	Metering Information	Consumption Units(kWh)
Communication	Network Connectivity	LAN/GSM/Wi-Fi
	Firmware (between EVSE & CMS) & Connectivity	OCCP v.1.6 or above
	Communication between charger & vehicle	PLC Based Communication
	Updates	Through remote connection up to 2.0 J
Mechanical	IP Rating	IP54 / IK 10
	Cable Length & Weight	5 Mtr & 300kg
	Dimension	750*1600*555mm
	Enclosure materials	Carbon steel
	Protection & Safety Parameters	Over Current, Under Voltage, Residual Current, Surge Protection, Leakage Protection, Short Circuit, Over Temperature, Door opening protection etc.
	Compliance/Standard/Certification	EN IEC61851-1:2019/61851-1:2017/62955:2018, CE, CPWD, ISO
	Warranty	12 Months

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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



11 kW Type 2 Portable Charger



SPECIFICATIONS	
Application	For charging electric vehicles (EV) with AC
BMS Communication	YES
Coding	680 Ω (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 Ω (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

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11 kW Type 2 Portable Charger



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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11 kW Type 2 Portable Charger

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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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



11 kW Type 2 Portable Charger



SPECIFICATIONS	
Application	For charging electric vehicles (EV) with AC
BMS Communication	YES
Coding	680 Ω (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 Ω (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

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11 kW Type 2 Portable Charger



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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11 kW Type 2 Portable Charger

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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7.3 kW Type 2 Portable Charger

Objectives

- ❖ IEC 62196-2 Plug, Portable EV Charger, Home Charger 16A, 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



7.3 kW Type 2 Portable Charger

SPECIFICATIONS	
Application	For charging electric vehicles (EV) with AC
BMS Communication	YES
Coding	220 Ω (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 Ω (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	3 (L, N, PE)
Product type	AC Portable charging cable
Shell material	Thermoplastic
Signal Contact	2 (CP, PP)
Soft-start function	YES
Supply Connector	CEE (Industrial 3-Pin Plug)
Temperature Resistance	<50K

TECH GREEN INNOVATIONS

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110058

Contact no:

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7.3 kW Type 2 Portable Charger

ELECTRICAL PROPERTIES	
Charging current (Max)	32A
Charging power	Max 7.3kW
Earth leakage detection	YES
IC-CPD Operating Voltage	100-250V
IC-CPD Protection Degree	IP 66
IC-CPD Rated Current (Max)	32A
No Of Phase	Single
Operating Voltage	100-250V
Overcurrent Protection	YES
Overvoltage Protection	YES
Rated current	32A
Rated current Signal Contact	2A
Rated voltage	250 V
Rated voltage Signal Contact	30 V AC
Short-circuit Protection	YES
Type of charging current	AC single-phase

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7.3 kW Type 2 Portable Charger

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)	14.0 ± 0.50
Cable Length	5 Meter
Cable Nominal Conductor Size (Sq. mm)	3 Core x 6 Sq. mm 1 Core x 0.7 Sq. mm
Cable Outer Sheathing	Thermoplastic polyurethane (TPU)

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3.3 kW Type 2 Portable Charger

Objectives

- ❖ IEC 62196-2 Plug, Portable EV Charger, Home Charger 16A, 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



3.3 kW Type 2 Portable Charger



SPECIFICATIONS	
Application	For charging electric vehicles (EV) with AC
BMS Communication	YES
Coding	220 Ω (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	>1000MΩ (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	3 (L, N, PE)
Product type	AC Portable charging cable
Shell material	Thermoplastic
Signal Contact	2 (CP, PP)
Soft-start function	YES
Supply Connector	CEE (Industrial 3-Pin Plug)
Temperature Resistance	<50K

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