

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



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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

TECH GREEN INNOVATIONS

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