

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



TECH GREEN INNOVATIONS

310, Vishwadeep Tower, District Centre, Janakpuri,
Delhi, 110058

Contact no:

+91 88512 35018
+91 92660 94880

Email:

sales@reachev.in

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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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