22 kW AC Charger Technical Parameters

REACH
Reliable Electric Automotive Charging Hub

Objectives

- ❖ Ideal choice for residential and commercial EV charging.

- ❖ Optional RFID card reader, APP based for user identification security Protocols and management.

- ❖ Input:- 22kw (AC400V±15%)

- ❖ Output: - 22kw 32A (400-440 VAC)

- ❖ Stylish, ergonomic and customizable design.

- ❖ Firmware OCPPvl.6 updates through remote connection.

- ❖ Charging interface: Input plug Type-2 pin 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 IP65 ingress protection for indoor/outdoor applications.

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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	AC Type-2
	Charger Capacity	22KW Commercial Charger
	Model Name	HSEF-22K(A)1G(Type-2)440S
	Mounting & Cable routing	Wall / Stand Mounting & Bottom Intel wiring
Input Requirement	AC Supply System	3-Phase,5 Wire (3P, N, PE) AC System
	Input voltage & Current	AC400V±15% & 32Amp
	Wires	5 Wires (L1, L2, L3, N, PE)
	Frequency	50Hz / 60Hz
Output Power	No of outputs	01
	Output Connectors	Type-2 pin female connector
	Charging Interface	IEC 62196 Type 2
	Output Voltage & Current	400-440 VAC & 32Amp Max
	Power Factor	≥0.99(50% load above)
Environment	Ambient & Storage Temperature	-20 degree to 65 degrees & -40°C to 75°C
	Altitude & Humidity	<2000 Mtr & 5% to 95%, non-condensing
	Cooling Method	Natural Cooling
User Interface & Control	Charging Type	HMI/APP/CMS
	Display & Language	4.3" 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	CP Based communication
	Updates	Through remote connection
Mechanical	IP Rating	IP 55
	Cable length	5 Meters
	Encloser Material	Plastic Material
	Dimension (WxDxH)	400 X 120 X 280 mm
	Weight	8 Kg
	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 period	12 months