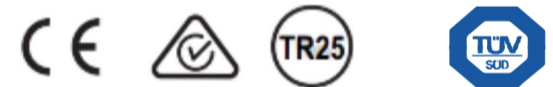# 3.3 kW AC Charger Technical Parameters

**REACH**
Reliable Electric Automotive Charging Hub

## Objectives

- ❖ Ideal choice for residential and commercial slow charging.

- ❖ Optional, APP based for user identification / security Protocols and management.

- ❖ Input: AC220V±15% (3.3kw).

- ❖ Output: - Upto 16A@230v charging from each socket.

- ❖ Stylish, ergonomic and customizable design.

- ❖ Firmware OCPPv1.6 updates through remote connection.

- ❖ Charging interface: Input plug Type-3 pin female connector.

- ❖ 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

# 3.3 kW AC Charger Technical Parameters

REACH
Reliable Electric Automotive Charging Hub

| Parameters | | Requirements |
|---|---|---|
| General Information | EV Charger Type | 3-Pin Socket |
| | Charger Capacity | 3.3KW Commercial Charger |
| | Model Name | HSEF-3.3K(A)1(AC001)220S |
| | Mounting & Cable routing | Wall / Stand Mounting & Bottom Intel wiring |
| Input Requirement | AC Supply System | 1-Phase, 3 Wires (L,N,PE) AC System |
| | Input voltage & Current | AC220V±15% & 16Amp |
| | Wires | 3 Wires (L,N,PE) |
| | Frequency | 50Hz / 60Hz |
| Output Power | No of outputs | 01 |
| | Output Connectors | Input Plug type-3 pin socket |
| | Charging Interface | 3 pin socket |
| | Output Voltage & Current | 200-240 VAC & 16Amp |
| | Power Factor | ≥0.99 |
| Environment | Ambient & Storage Temperature | -20 degree to 55 degrees & -20°C to 75°C |
| | Altitude & Humidity | <2000 Mtr & 5% to 95%, non-condensing |
| | Cooling Method | Natural Cooling |
| User Interface & Control | Charging Type | App/CMS |
| | Display & Language | NA |
| | Push Button | Emergency Stop |
| | User Authentication | Mobile / QR Code |
| | Metering Information | Consumption Units(kWh) |
| Communication | Network Connectivity | 3G/4G |
| | 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 65 |
| | Cable length | NA |
| | Encloser Material | Plastic Material |
| | Dimension (WxDxH) | 180 X 180 X 100 mm |
| | Weight | 3Kg |
| | 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 |