

DC FAST CHARGER

WALLBOX

Single gun (20 - 50kW)



Input Power

- Rating: 20 - 50kW
- Input voltage range: 3-phase, 415 VAC (+6% and -10%)
- Frequency: 50Hz

Output Port

- CCS2 – combined charging system (20 – 50kW)

User Authentication

- Seamlessly authenticate with RFID, QR code scan, and OCPP 1.6J based mobile app interface for a hassle – free charging experience.
- Offline authentication is also provided if the customer requires.

Connectivity

- Ethernet, 4G(OPTIONAL) for connectivity.

Indication

- LCD display

SPECIFICATIONS

Power Input

- ☒ **Input Rating:** 410 VAC $\pm 10\%$
- ☒ **Number of Phase / Wire:** 3 Phase - L1, L2, L3, N and PE (Ground) 5 Wire AC System
- ☒ **Input frequency:** 50Hz $\pm 10\%$
- ☒ **THD & Power factor:** 5% @ Nominal Voltage & 0.99 (Full load)

Power Output

- ☒ **Output Voltage:** 100-900 Vdc
- ☒ **Output Current:** 60A Max
- ☒ **Power Rating:** 20 - 50kW
- ☒ **Output Port:** CCS2
- ☒ **Number of connectors:** Single gun
- ☒ **Efficiency:** $\geq 95\%$

Protection

- ☒ **Electrical protection:** Over current, Under voltage, Over voltage, Surge protection, Short Circuit, Over temperature, Earth Leakage, Ground fault - 30mA

Communication

- ☒ **Charging protocol:** OCPP 1.6J
- ☒ **Between EVSE & CMS:** Ethernet, 4G (OPTIONAL)

User Interface

- ☒ **Display:** LCD
- ☒ **Button and switch:** Red colour mushroom headed (Emergency stop button) and
- ☒ **Authentication:** RFID, Tucker App
- ☒ **Support Language:** English
- ☒ **Billing & payment:** App Based Billing as per unit consumed & Online Payments
- ☒ **Customer Interaction Panel:** App Based Real-Time Charging Monitor & Alert

Environment

- ☒ **Operating temperature:** Range 0 °C to +55 °C
- ☒ **Storage temperature:** Range -20 °C to +70 °C
- ☒ **Humidity & Altitude:** $< 95\%$ relative humidity non-condensing Up to 2,000 m (6,000 ft.)

Mechanical

- ☒ **Ingress Protection:** IP55
- ☒ **Encloser Protection:** IK 10 according to IEC 62262
- ☒ **Cooling:** Natural cooling
- ☒ **Mounting type:** wall mounted / pedestrian / pole mounted
- ☒ **Dimensions (W x H x D):** 500 X 600 x 250 mm