



## DC FAST CHARGER

# RCFDC-002

GB/T & Type 2 Chargers

## SPECIFICATIONS

### Power Input

- ✔ **Input Rating:** 415 Vac (+6% and - 10%), 50±1.5Hz, PF >0.98
- ✔ **Number of Phase / Wire:** 3 Phase, L1, L2, L3, N and PE (Ground) 5 Wire AC System
- ✔ **Current THD:** As Per IEC61000-3-12
- ✔ **Standby Power:** 1Hr. Internal Battery Backup for the Control System

### Power Output

- ✔ **Output Rating:** 120 kW(Max)
- ✔ **Output Voltage:** 200-600 VDC
- ✔ **Output Current:** 200 A(Max)
- ✔ **Efficiency:** >94%
- ✔ **No. of Output:** 2 Nos
- ✔ **Charging Interface:** 2 Nos (GB/T 20234.3 / IEC 62196-3 Connector with 5 m Cable)

### Protection

- ✔ **Electrical Protection:** Over current, Under voltage, Over voltage, Residual current, Surge protection, Short circuit, Over temperature, Earth Leakage, Ground fault - 30mA

### User Interface & Control

- ✔ **Display:** 7"-TFT-display 800 x 480 pixel(s) Touch panel
- ✔ **Status Indicators:** Power, Status, Charge, Fault
- ✔ **Buttons and Switch:** Red Color Mushroom Headed Emergency stop button & Main On/Off Key switch
- ✔ **Authentication:** App Based OTP & QR Code Authentication
- ✔ **Billing & Payment:** App Based Billing as per unit consumed & Online Payments
- ✔ **Charge Option:** App Based Charge Option: Charge by kWh, Time, Amount & Battery Capacity
- ✔ **Customer Interaction Panel:** App Based Real-Time Charging Monitor & Alert

### Communication

- ✔ **Charging Protocol:** OCPP 1.6j
- ✔ **Between EVSE & CMS:** Ethernet, WLAN, 2G/3G/4G Dongles
- ✔ **Between EVSE & EV:** As Per AIS138-2 CAN Communication / As Per DIN 70121 PLC Communication

### Environmental

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

### Mechanical

- ✔ **Ingress Protection:** IP55
- ✔ **Enclosure Protection:** IK10 according to IEC 62262
- ✔ **Cooling:** Forced Air cooling
- ✔ **Mounting Type:** Ground Mounting
- ✔ **Dimension (W x H x D):** 750 x 1800 x 500 mm

### Application

- ✔ **Commercial Charging**
- ✔ **Public Charging**
- ✔ **Fleet Charging**