

CCS2 CHARGER CONTROLLER



FEATURES

- ◆ The capacity can be configured up to 480 kW.
- ◆ Facilitates WS and WSS communication protocols for OCPP support.
- ◆ A dedicated mobile application and utility software for the commissioning process.
- ◆ Retain up to 100 charging session histories.

APPLICATIONS



EV Chargers

EV Four Wheeler | Heavy Electrical Vehicle

TECHNICAL SPECIFICATIONS

Input power

Input Voltage	12V DC @2A
Power Consumption	24 W

Output Power

Total Output	Dual Gun (Max 480 kW)
Supported Connector	3 (2 Gun CCS2 DC and 1 Gun Type-2 AC)

Communication

Protocol	OCPP 1.6j (Fully Implemented)
Network	Ethernet / WiFi / GSM (fall back to 2G)
Standards	ISO 15118, DIN 70121 & IEC 61851 Plug and Charge (PnC), Plug and Play (PnP) & Vehicle to grid (V2G)

Interfaces

Power Module Interface	CAN 2.0
Bridge Interface	RS 232 to RS 485
HMI Interface	Act as RS 485 (Master) & Controller (Slave)
Add on Module	RS 485 (Salve) (RFID, LED, Meter, MID Energy Meter Communication, Cabinete Temperature and Humidity Sensor)
Sensor Interface	I2C, Digital Input & Digital Output
Temperature Input	4 Nos. RTD, PT1000 to Monitor Gun Temperature & Prevent Overheating
Insulation Monitoring	Digital Input
Temperature and Humidity Sensor	DFRobot SEN0485 RS485

Add on

Dynamic Load Balancing	Based on EV Demand (Option for Enable/Disabled)
Digital Payment Support	POS Integration (Optional)
Memory	Micro SD Card Supports up to 32 GB
Off Board Support	RFID Module & LED Module Cabinet Temperature Monitoring Liquid Cool Gun Monitoring Logic (Optional)

Mechanical

IP Rating	IP54
Operating Temperature	-20°C to 70°C
Storage Temperature	-20°C to 70°C
Humidity	5% to 95%
Dimension (LxBxH)	210 × 120 × 59 mm
Weight	610 g



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