CCS-2

120kW



Input Voltage (VAC)	3-Ph 400V (+/- 10%)
Efficiency (%)	≥ 95%
Input Frequency (Hz)	50 Hz (+/- 3 Hz)
Input Current (A AC)	< 200 A
Wires	5 wire (L1, L2, L3, N, PE)
Standby Power	< 50W
Power Factor	>0.98 (50%-100% Load)
Current THD	<=5% (50% to 100%) as per IEC 61000-3-12
Number of Outputs	2
Output Connector type	IEC 62196-3 (CCS-2)
Output Voltage (V)	150-1000V DC
Max. Output Current (DC)	Max. 250A DC
Max. Output Power Rating (kW)	120kW (60kW/Gun)
Output Load Sharing	it will deliver 100% power to one gun when only one gun is in use. The charger will share the power in both guns when both guns are in use.
Dynamic Load Sharing (Optional)	Optimizes power delivery for 2 guns, allocating 30kW power blocks based on connected vehicle's demand.
Display	7" TFT Color Touch Screen (10"-Optional)
Electrical metering	To comply with IEC 62052-11 & IC 62053-21 (Independent DC Energy meter for both output & cumulative)
Emergency Push Button	Provided
User Authentication	RFID / Mobile App based
Visual Status Indication	LCD and LED for Mains available, Charging status, System error
Charging Mode	IEC 61851-1 (Mode-4)
Charger and Vehicle Communication	Power Line Communication (PLC)
Charger and CMS communication	Open Charge Point Protocol 1.6J
Compliance	IS17017-1 / IEC61851-1
Charger Interface	LAN / 4G (M2M) / Wi-Fi (RS485-Optional)
Remote Firmware Update	FOTA
Protections	Input Over Voltage, Input Under Voltage, Input Short Circuit, Input Over Current, Connection Abnormality, Emergency Stop, Surge Protection, Residual Leakage Current-30mA, Output Over Current, Over Temperature (Derating/Shutdown), Ground Fault, Insulation Resistance Monitoring, Smoke Sensor (Optional)
EMI/EMC	Immunity to Electro Static Discharge (IEC 61000-4-2), Voltage Dips and Interruptions (IEC 61000-4-11), Electric Fast Transient (IC 61000-4-4), Voltage Surge (IC 61000-4-5), Radiated Emission, Conducted Emission, Radiated Immunity, Conducted Immunity.
Ambient Temperature	-20° to +55° C (derating from +55°C to +65°C)
Relative Humidity	<95%, non-condensing
Place of installation	Indoor / Outdoor
Ingress Protection	IP55
Enclosure Protection	IK10
Cooling	Forced Air Convection
Charging wire length	5 Mtr (6 Mtr optional)
Payment systems	Billing & transaction with various modes of payment
Memory Storage	To store 50 event logs & last 50 charging session information
Application	4W, Buses
Battery Back-Up (For Display Only)	15 minutes (Optional)
Max. dimension (W X D X H) mm	800x730x1750
Max. Weight (KGs)	280
Installation Type	Floor mounting