

DC EV Charger 30 kW

- Self-developed controller for CHAdeMO and CCS
- Supports multiple charging standards: GB, CCS1, CCS2 and CHAdeMO
- Supports up to 2 EVs
- Built-in RFID card reader
- Supports OCPP 1.6 JSON network and 3G/4G
- Remote firmware upgrade with APP (OTA)
- Remote diagnostic function simplifies data collection and analysis process
- IP54 protection, IK10 vandal-proof enclosure and IK8 touch screen
- 7" colored touch LCD display for easy configuration



Specification

MODEL		30kW
Charging Type		DC fast charging
Outlet Options		C: CCS2 cable , A: CCS1 cable , J: CHAdeMO cable , G: GBT cable
AC Input Power		48 A, 33 kVA @ 400V 50Hz
Input Voltage Range		400 VAC or 380 VAC +/- 10%
Input Frequency		50 Hz or 60 Hz
DC Output Power Rating (MAX)		30 kW
DC Output Voltage		200-750 Vdc (ready) ; 200-1000 Vdc (coming soon)
Number of EV Served		Up to 2 (JC, JA models) ; Up to 1 (C, A,J, G models)
Cable Length		5.0 m, Optional: 6.0 m / 7.0 m
Maximum Current	CCS Cables	80A
	CHAdeMO Cables	60A
	GBT cables	60A
Electro-Magnetic Compatibility		Class A (optional Class B) according to EN 61000-6-3:2007
Distribution Systems		TN-S, TN-C, TN-C-S, TT (required external RCD)
Connector Type		3P + N + PE
Protection		Overcurrent, overvoltage, undervoltage, integrated surge protection, ground fault including DC leakage protection, door opening protection
Overvoltage Category		Type II
Power Factor (Full Load)		≥ 0.98
THDi		≤ 5%
Efficiency		93% (peak)
Standby Power		< 35 W
Short Circuit Current		10 kA
Pre-charge Current		< 1 A
Inrush Current		< 55 A
Leakage Current		0.8 mA
Energy Metering		Standard: Meter for DC outlet, Optional: AC inlet
Cellular Communication		GSM, 4G, LTE

USER INTERFACE

Connectivity	Internet access via 4G/3G/Ethernet (RJ45)
User Authentication	RFID, QR code
User Interface	7" LCD high-contrast touchscreen
Communication Protocols	Proprietary and OCPP 1.6J
RFID Reader	ISO/IEC 14443 A/B Mifare RFID reader
Emergency Button	Yes
Language system	English, Chinese

GENERAL CHARACTERISTIC

Protection Rating	IP65 and IK10 (cabinet) / IK8 (touchscreen)
Housing Material	SGCC, Optional: SUS430
Operating Altitude	Up to 2000 m
Operating Temperature	-35 °C to 55 °C
Storage Temperature	-40 °C to 70 °C
Humidity	< 95%, non-condensing
Mounting	Wall-mount or pedestal stand
Dimensions (D x W x H) mm	200 x 450 x 600
Weight (kgs)	44

COMPLIANCE STANDARDS

Charging System	IEC 61851-1 ed 3, IEC 61851-21-2 ed 1, IEC 61851-23 ed 1, IEC 61851-24 ed 1, IEC 62196-2, IEC 62196-3, IEC 61000, GBT18487, GBT20234
Communication to the EV	DIN 70121, ISO/IEC 15118 ed 1, CHAdeMO 1.2, GBT27930, GBT 34657

Product specifications are subject to change without further notice