



ChargeSmart EV

COMMERCIAL MAXICHARGER™ DC FAST

60kW - 240kW

ChargeSmart EV's
Powerful Compact
All-In-One
DC Fast Charger
is the Superior
Choice for Safe,
Reliable, and Fast
EV Charging



ChargeSmart EV

MAXI CHARGER DC FAST

MOST FLEXIBLE LEVEL 3 DC FAST CHARGER



Charging power up to 240kW.

The modular design can provide charging power ranging from 60kW to 240kW, meeting the needs of different scenarios and later upgrades.

Charger peak efficiency up to 96%.

The original efficiency optimization algorithm supports up to 95% efficiency within a load range of 20-100%.

21 safety monitoring items,

with hardware + software dual protection.

Smart Charging

allows DLB to be set and adjusted remotely through the Cloud or locally at the charger to ensure the output loads never exceed the system's capabilities.

Supports ISO 15118

Plug & Charge, enables hassle-free charging operations and identity authentication.

Smart Cloud & OCPP

enable the site host with full control and visibility of your entire network.



The user-friendly cable management system avoids the cable dragging on the floor, providing convenience and accessibility around the machine, and increasing the life of the charging cables.

27-inch HD advertisement screen, supporting both videos and pictures for brand promotion

Compatible with CCS1, CCS1 (Boost) or CHAdeMO plugs

Credit Card Reader Optional, with various payment options available

Cable lengths: 15ft standard or option for 20ft or 25ft



Charging output that grows with your needs; 60kW to 240kW output for DC Fast units, with each module adding 20kW of output to the compatible models

POWERFUL

Charge faster and more efficiently

- Up to 240kW of fast charging
- Charging speed improved by up to 30% with boost mode

SMART ADVERTISING AND COMMUNICATION PORTAL

Improve your ROI

- Show the charging related info like State of Charge (SOC), Cost, kWh
- Offer an additional channel to boost revenue with the display of advertisements

HIGHLY RELIABLE

Charge without worries

- Continually testing and evaluating new vehicles for interoperability
- Compatible with all vehicles of IEC standards



Charging Power
 • 60kW - 240kW
 • Each charging module adds 20kW



Scenarios
 • Commercial Buildings
 • Retail
 • Service Center
 • Fleet
 • Dealerships



ELECTRICAL	DCFC 60kW-120kW	DCFC 140kW-240kW
CONNECTOR OPTION	CCS1/CCS1 or CCS1/CHAdeMO	CCS1/CCS1 (Boost) or CCS1/CHAdeMO
MAX. INPUT AC CURRENT	60kW: 91A; 80kW: 122A 100kW: 152A; 120kW: 182A	140kW: 213A; 160kW: 245A; 180kW: 270A 200kW: 305A; 220kW: 335A; 240kW: 365A
NOMINAL INPUT AC CURRENT	60kW: 83A; 80kW: 110A 100kW: 138A; 120kW: 165A	140kW: 181A; 160kW: 207A; 180kW: 230A 200kW: 260A; 220kW: 285A; 240kW: 310A
INPUT VOLTAGE RANGE	480 V AC - 15 % to +10 % @ 60 Hz	
DC OUTPUT VOLTAGE	CCS1: 150 to 950 V DC; CHAdeMO: 150 to 500 V DC	
NETWORK TYPE	TN-S, TN-C, TN-C-S, & TT (External RCD** Required)	
AC INPUT CONNECTION	3P + PE (No Neutral)	
PROTECTION	Over-Current, Over-Voltage, Under-Voltage, Ground-Fault, Over-Temperature, Short-Circuit, Insulation Monitor (IMD), & Surge Protection	
OVERVOLTAGE CATEGORY	AC Side (Input) OVC: III	
POWER FACTOR (>50% LOAD)	≥ 0.98	
THDI (>50% LOAD)	≤ 5 %	
PEAK EFFICIENCY	≥ 96 %	
STANDBY POWER	80 W	
SHORT CIRCUIT CURRENT RATING	≥ 65 kA	
ENERGY METERING	Class A	

USER INTERFACE & COMMUNICATION

CONNECTIVITY	Internet Access Via 4G / Wi-Fi / Ethernet (RJ 45)
USER AUTHENTICATION	QR Code, RFID, Credit Card (Optional)
ISO 15118 PLUG & CHARGE	Yes
DIN 70121	Yes
INTERFACE	27" LCD High-Contrast Touchscreen (15.6" Optional)
ACCESSIBLE FOR WHEELCHAIR USERS	Yes
COMMUNICATIONS PROTOCOLS	OCPP 1.6 JSON, OCPP 2.0.1 (Can Be Upgraded Later)
RFID READER	ISO 14443 A+B to Part 4 & ISO/IEC 15693, Mifare, NFC, Calypso, Ultralight, PayPass, HID & More
EMERGENCY BUTTON	Yes
SOFTWARE UPDATE	OTA Update Via Web Portal
CONTROL AND CONFIGURATION	Web Portal, On-Board Service Portal

GENERAL CHARACTERISTICS

PROTECTION RATINGS	NEMA 3R Outdoor Use & IK-10
ENCLOSURE TYPE	Stainless Steel 430
OPERATION ALTITUDE	6561 Ft. (6561 to 9843 Ft. with Power Derating)
OPERATING TEMPERATURE	-31 °F to +131 °F (+122 °F to +131 °F with Linear Power Derating)
STORAGE TEMPERATURE	-40 °F to +158 °F
HUMIDITY	< 95 % RH, Non-Condensing
NOISE LEVEL	< 65 dB @1 m/25 °/Full Load/800 VDC
MOUNTING	Free-Standing Cabinet
CABLE LENGTH	15 ft (Optional: 20 or 25 ft)
DIMENSIONS (H X W X D)	76.8 x 32.3 x 23.6 In. (1950 x 820 x 600 mm) 76.8 x 32.3 x 27.6 In. (1950 x 820 x 700 mm)

CERTIFICATIONS & STANDARDS

COMPLIANCE & SAFETY	UL 2202, UL 2231-1, UL 2231-2, NEC Article 625, CSA C22.2 No. 107.1-16
EMC COMPLIANCE	FCC Part 15 Class A, Class B (Optional)
WARRANTY	24 Months with Warranty (Extensions Available)