





# 180kW Free Standing DC Fast Charger



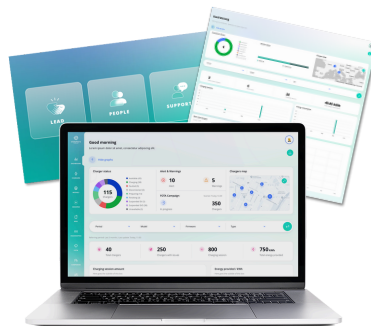
## Product Highlights

-  7-inch TFT LCD Screen with User Friendly Interface
-  Indicator LED's (Available, Charging, & Error)
-  Dual Gun, Dual Charging
-  Standard 2-Year Parts Only Warranty
- Up to 180kW per output with fan cooling
- User authentication with credit card reader & RFID card (optional)
- Supports load balancing
- ISO15118 (Plug&Charge)
- Compliant with most local/regional regulations (CSA, Energy Star, FCC, & uL)

## Recommended Accessories



Cable Management System



Charge Point Management System (CPMS)



5-Year Extended Warranty Available

## DIMENSIONS

### 180kW Free Standing DC Fast Charger



Installation requires a 36-inch perimeter.

# SPECIFICATIONS

## 180kW Free Standing DC Fast Charger

		UL
<b>AC Input</b>	<b>Input Voltage</b>	3Φ_480Vac (+10%, -15%)
	<b>Input Current Rating</b>	233A @277Vac 274A@ 235Vac
	<b>Electrical Distribution</b>	3P+ N+ PE (Wye Connection )
	<b>Power Grid System</b>	TN/TT
	<b>Frequency</b>	50/60Hz
	<b>Max. Input Power</b>	196 kVA
	<b>Power Factor</b>	> 0.99
	<b>Efficiency</b>	94%, at optimize V/I point
	<b>SCCR</b>	35kA, optional for 65kA
<b>DC Output</b>	<b>Outage Voltage Range</b>	DC 150 ~ 950V (CCS) DC 150 ~ 500V (CHAdEMO)
	<b>Maximum Output Voltage</b>	**CCS1 300A@150Vdc ~ 600Vdc when output voltage up to 950Vdc the output current is 189A **CHAdEMO 120A@150Vdc ~ 500Vdc
	<b>Maximum Output Current</b>	180kW
	<b>Simultaneously Output Mode</b>	Each connector will get 50% output power when plug in simultaneously; And one of two connected vehicles is fully charged, all power is diverted to the remaining charging plug (the finished plug must be removed from vehicles). *CHAdEMO max. is 60KW
	<b>Voltage Accuracy</b>	±2%
	<b>Current Accuracy</b>	±2%
<b>Electrical Isolation</b>	Isolation between input and output	
<b>Standby Power</b>	< 100W	
<b>Communication</b>	<b>External</b>	Ethernet (RJ 45), Wi-Fi & 4G
	<b>Internal</b>	CAN Bus/RS485
<b>Input Protection</b>	OVP*1, OCP*2, OPP*3, UVP*4, RCD*5, SPD*6	
<b>Output Protection</b>	OCP, OVP, LVP*7, OTP*8, IMD*9	



# SPECIFICATIONS CONT.

## 180kW Free Standing DC Fast Charger

<b>Internal Protection</b>	OTP, AC contactor detection, DC contactor detection, Fuse detection	
<b>Load Management</b>	Via OCPP 1.6 JSON	
<b>User Interface &amp; Control</b>	<b>Display</b>	7-inch LCD
	<b>Button</b>	<b>Right Button:</b> Select charging connector. <b>Left Button:</b> Home / Stop charge
	<b>User Authentication</b>	<b>RFID:</b> Support ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966), <b>Backend OCPP:</b> 2D barcode, APP, Mobile Payment
	<b>Backend Support</b>	OCPP 1.6 JSON
<b>Environmental Conditions</b>	<b>Operation Temperature</b>	-30°C to 50°C (-22°F to 122°F), will derating from 50°C (122°F) and above
	<b>Storage Temperature</b>	-40°C to 70°C (-40°F to 158°F)
	<b>Relative Humidity</b>	5%~95% RH, non-condensing
	<b>Altitude</b>	≤ 2000m (6560ft)
<b>Regulations</b>	<b>Safety</b>	UL2202, UL2231
	<b>EMI/EMC</b>	FCC CFR Title 47 Part 15 Subpart B: 2020 ANSI C63.4: 2014 ICES-003:2020 Issue 7
	<b>Certification(s)</b>	United States: Energy Star, FCC, uL Canada: CSA
<b>Mechanical Specifications</b>	<b>Dimensions (WxDxH)</b>	1400x800x1900 mm (55.12"x31.50"x74.80")
	<b>Weight (typ.)</b>	< 1200 kg (2645.55 lb)
	<b>DC Output Interface</b>	Terminals x 4 sets
	<b>Cooling</b>	Natural: Forced air
	<b>Ingression Protection</b>	NEMA3R
	<b>Anti-vandalism</b>	IK10

\*1 OVP= Over Voltage Protection

\*2 OCP=Over Current Protection

\*3 OPP=Over Power Protection

\*4 UVP=Under Voltage Protection

\*5 RCD=Residual Current Device

\*6 SPD=Surge Protection Device

\*7 LVP=Low-Voltage Protection

\*8 OTP=Over Temperature Protection

\*9 IMD=Insulation Monitoring Device

### Need Support?

We are available  
Monday through Friday,  
8AM – 8PM EST

**CALL US**  
**+1 (833) 32-CHARGE**

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