

PowerCharge™

PowerChargeEV.com

Charge Up!

THUNDER SERIES DCFC LEVEL 3

Advanced, flexible,
compact, and smart
makes the
PowerCharge™
DC Fast Charger
the Choice
for Safe & Reliable
Fast Charging



PowerCharge™

HIGH RELIABILITY

- **Redundant** power modules for high reliability
- **Delivers up to 920 VDC** in all power configurations for current and future electric cars, trucks, vans, and buses

LCD TOUCHSCREEN

- **High brightness and graphical** visualization of the charging process

SAFETY

- **Emergency stop button** to immediately stop charging operation

CONNECTED

- **24/7 remote services** and updates to support every new EV on the road
- **Easy remote OCPP integration**
- **Optional Credit Card Reader**

HIGH UTILIZATION

- **Simultaneous charging** for two electric vehicles
- **Flexible connector** combinations including a high current cable option for up to 400 A

ROBUST

- **All-weather** powder-coated stainless steel enclosure

CABLE RETRACTORS

- **Convenient** and hassle-free reach with retractable cable management option

AUTHENTICATION

- **Automatic** authentication via CCS connector via OCPP and Autocharge functionality as well as ISO 15118 implementations

EASY INSTALLATION

- **Easy installation** and serviceability for fast commissioning, maintenance, and field services



200A Version

CONFIGURATION	54	124	184
ELECTRICAL			
Maximum Output Power	90 kW	120 kW or 60 kW x2	180 kW or 90 kW x2
AC Input Voltage	480Y / 277 VAC +/- 10% (60 Hz)		
AC Input Connection	3-phase: L1, L2, L3, GND (no neutral)		
Nominal input current and input power rating	115 A, 96 kVA	153 A, 128 kVA	230 A, 192 kVA
Recommended upstream circuit breaker(s)	150 A	200 A	300 A
Power Factor*	> 0.96		
Current THD*	< 5%		
Short circuit current rating	65 kA		
DC output voltage	CCS-1: 150 - 920 VDC; CHAdeMO: 150 - 500 VDC		
DC output current	CCS-1: 400 A CHAdeMO: 200 A	CCS1: 400 A, CHAdeMO: 200 A Optional CCS1 300 A (nominal) and 400 A (peak) high current cable(s)	
Efficiency*	95%		
INTERFACE AND CONTROL			
Charging protocols	CCS1 and CHAdeMO 1.2		
User interface	7" high brightness full color touchscreen display		
RFID system	ISO/IEC 14443A/B, ISO/IEC 15393, FeliCa™ 1, NFC reader mode, Mifare, Calypso, (option: Legic)		
Network connection	GSM/3G/4G modem; 10/100 Base-T Ethernet		
Communication	OCPP 1.6 Core and Smart Charging Profiles; Autocharge via OCPP		
Supported languages	English (others available on request)		
ENVIRONMENT			
Operating temperature	-35°C to +55°C / -31°F to +131°F (de-rating characteristics apply at extreme temperatures)		
Recommended storage conditions	-10°C to +70°C / 14°F to +158°F (dry environment)		
Protection	IP54, NEMA 3R; indoor and outdoor rated		
Humidity	5% up to 95%, non-condensing		
Altitude	up to 2000 m (6560 ft)		
GENERAL			
Charge cable	6 m (19.6 ft)		
Dimensions (H x W x D)	1900 x 565 x 880 mm / 74.8 x 22.2 x 34.6 in		
Weight	350 kg / 775 lbs	365 kg / 800 lbs	395 kg / 870 lbs
Compliance and safety	UL 2202, CSA No. 1071-16; UL 2231-1, UL 2231-2, CSA STD C22.2 No. 1071; NEC Article 625, EN 61851, EN 62196; CHAdeMO 1.2; DIN 70121, ISO 15118; IEC 61000-6-3; EMC Class B, FCC Part 15		
Warranty	2-Year (Includes parts & On-site Labor)		

* Data shown at nominal output power