

ChargePoint® Express Distro Power Block 2000

Specifications and Ordering Information



Express Distro Power Block 2000 Specifications

Electrical

Input Voltage Rating	3-phase, 480Y VAC, 60 Hz 3-phase, 600Y VAC, 60 Hz		
Max Output Power, Single Cabinet, 480 VAC	200 kW	400 kW Paired: 500 kW	600 kW Paired: 625 kW, 750 kW
Max Output Power, Single Cabinet, 600 VAC	225 kW	450 kW	625 kW
Input Current Rating, AC	480 V: 258 A 600 V: 232 A	480V: 515 A 600V: 463 A	480 V: 769 A 600 V: 641 A
Max Output Power, Double Cabinet	480 VAC: 1.20 MW 600 VAC: 1.35 MW		
Max Output Power, Triple Cabinet	480 VAC: 1.80 MW 600 VAC: 1.88 MW		
Wiring	L1, L2, L3, Earth		
Short Circuit Current Rating	100 kA		
Output Voltage, Charging	100 to 1000 VDC		
Max Current per Output	200 ~ 225 kW: 500 A 400 ~ 600 kW: 800 A, 1000 A peak		
Outputs per Cabinet	4. 8 and 12 optional		
Power Conversion Efficiency	Up to 97%		
Power Factor	0.99 at full load		

Harmonics	iTHD < 5% (Complies with IEEE 519)
Standby Power, Single Cabinet	60W
Bidirectional Energy Flow	Hardware ready
Power Allocation Increments	50 ~ 62.5 kW

Connectivity

Service and Maintenance	Remote system monitoring, diagnostic, and proactive maintenance
Software Updates	Firmware updated over-the-air (OTA)

Safety Ratings

Safety and Compliance	Testing in progress cUL and UL listed. Complies with UL 2202, UL1741 Energy Star RoHS
Station Surge Protection	Tested to IEC 6100-4-5, Level 5 (6 kV @ 3,000 A)
EMC Compliance	FCC part 15 Subpart B Class A

Generic Specifications

Indicators	Status LEDs for diagnostics
Enclosure Dimensions (W x D x H)	Single: 995 x 778 x 2350 mm, 39.2 x 30.7 x 92.6 in Double: 1990 x 778 x 2350 mm, 78.4 x 30.7 x 92.6 in Triple: 2985 x 778 x 2350 mm, 117.6 x 30.7 x 92.6 in
Enclosure Rating	Type 3R, IP55
Impact Rating	IK10
Mounting Type	Ground
Weight, Single Cabinet	Up to 1300 kg (2840 lb) with all modules installed
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Operating Temperature	-40°C to 55°C (-40°F to 131°F) with derating
Operational Altitude	3,000 m (9,800 ft) without derating, 4000 m (13,123 ft) with derating
Operating Humidity	Up to 95% at 50°C (122°F) non-condensing
Buy America	FTA, FHWA, BABA available upon request
Standard Warranty	Limited 2-Year Parts Warranty

Energy Management Features

Dynamic Power Management	Allows a fixed maximum power output per station or lets the system dynamically manage the power distribution per station
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