

ChargePoint® Express Distro Power Block 2000

One platform, infinite possibilities



Express Distro Power Block 2000 Specifications

Electrical

Input Voltage Rating	3-phase, 400Y VAC, 50 Hz		
Max Output Power, Single Cabinet, 400 VAC	350 kW Paired: 500 kW	500 kW	525 kW Paired: 625 kW, 750 kW
Input Current Rating, AC	542 A	789 A	809 A
Max Output Power, Double Cabinet	1.05 MW		
Max Output Power, Triple Cabinet	1.58 MW		
Wiring	L1, L2, L3, Earth. N available for V2G functionality		
Short Circuit Current Rating	100 kA		
Output Voltage, Charging	100 to 1000 VDC		
Max Current per DC output*	800 A, 1000 A peak		
DC Outputs per cabinet	4, 8, 12		
Power Conversion Efficiency	Up to 97%		
Power Factor	0.99 at full load		
Harmonics	iT _{THD} < 5% (Complies with IEEE 519)		
Standby Power, Single Cabinet	60W		
Bidirectional Energy Flow	Hardware ready		
Power Allocation Increments	43 ~ 62.5 kW Paired: 50 ~ 62.5 kW		

Connectivity

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

Safety and Compliance	Testing in progress CE and UKCA marked. Complies with IEC 61851-1 and IEC 61851-23 RoHS
Station Surge Protection	Tested to IEC 6100-4-5, Level 5 (6 kV @ 3,000 A)
EMC Compliance	EN55011, EN55022, and IEC 61851-21-2 Class A

Generic Specifications

Indicators	Status LEDs for diagnostics
Enclosure Dimensions (W x D x H)	Single: 995 x 778 x 2336 mm, 39.2 x 30.7 x 92.0 in Double: 1990 x 778 x 2336 mm, 78.4 x 30.7 x 92.0 in Triple: 2985 x 778 x 2336 mm, 117.6 x 30.7 x 92.0 in
Enclosure Rating	Type 3R, IP55
Impact Rating	IK10
Mounting Type	Ground
Weight, Single Cabinet	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
Standard Warranty	Limited 2-Year Parts and Labor 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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