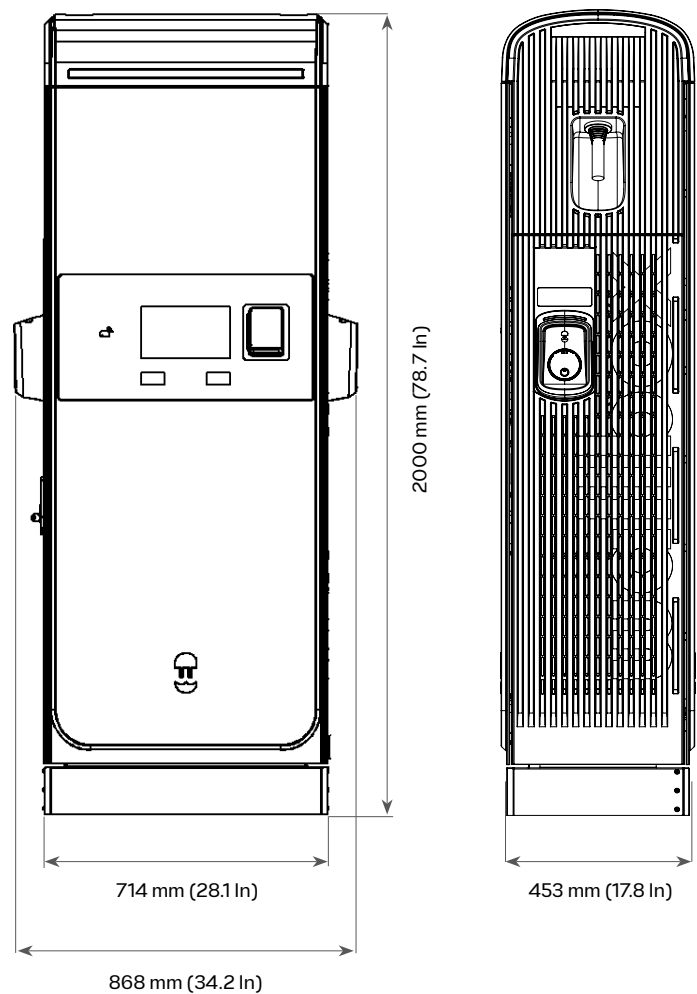


Supernova 180 | 120 | 60



Power Level	SN 180	SN 120	SN 60
Electrical			
Output Power	180 kW	120 kW	60 kW
Nominal Efficiency	95%		
Power Factor	>0.98		
THD	5%		
Standby Consumption	< 100 W		
Output Voltage	150-1000 VDC		
Max Output Current	350 A	350 A	150 A
Supply Input Voltage Range	480 VAC $\pm$ 10% (L-L), 277 VAC $\pm$ 10% (L-PE), 60 Hz; 3P+PE		
Max Supply Input Current	235 A	160 A	80 A
Split Charge	Simultaneous charge of 2 outputs		

Environmental

Environmental Ratings	Environmental Ratings IP54, IK10 (charger) & IK08 (screen), 6560 ft (2000 m) altitude
Operating Temperature	-30°C to 50°C (-22° F to 122° F)
Storage Temperature	-30°C to 70°C (-22°F to 158°F)
Cooling System	Active air cooling
Operational Noise Level	<68 dBA @ 1 m at ambient temperature
Humidity	5% to 95% Non-condensing

General

DC Connectors	CCS1+CCS1 CCS1+NACS NACS+NACS		
Charging Protocol	ISO15118, DIN SPEC 70121, SAEJ1772		
Cable Length	5 m (16.4 ft)		
Cable Management	Retracting the cable to its initial position		
Supernova Footprint	2000x453x868 mm (78.7x17.8x34.2 In)		
Maximum Outer Dimensions	2000x453x714 mm (78.7x17.8x28.1 In)		
Dimension with CMS	2136 x 453 x 1219 mm (84 x 17.83 x 48 In)		
Weight	400 kg (882 lbs.)	370 kg (816 lbs.)	340 kg (750 lbs.)
Weight with packaging	430 kg (948 lbs.)	400 kg (882 lbs.)	370 kg (816 lbs.)
Branding Options	Company logos/front surface/full charger vinyling		
Accessibility	Wheelchair access appropriate (ADA compliant), Environmental light		
Charging Compliance	CCS (DIN 70121; ISO15118; SAEJ1772) IEC 61851-1; IEC 61851-23; IEC 61851-21		
Safety Compliance	UL 2202, UL 2231, CSA C22.2 No. 346:22,		
EMC Compliance	FCC 47 CFR Part 15B, CAN ICES-003A / NMB-003A		
Additional Compliance	Energy Star		

Interface&Control

Connectivity	Ethernet, 4G/LTE, WiFi
Backend Communication Protocol	OCPP 1.6J, OCPP 2.0 (Hardware Ready), Plug & Charge (Hardware Ready)
Commissioning Interface	Local (via Ethernet and without extra software) and remote webmanager
Diagnostics	Auto-diagnostics system
User Interface	10" Anti-vandal Colour Touch Display (sunlight readable), LED status lights
Authentication	App (OCPP) / RFID (MI-FARE ISO/IEC14443A/B, ISO/IEC15693, ISO/IEC18000-3, FeliCa, NFC)
Ad-Hoc Payment	Credit Card Reader (various options available)
Metering	AC, DC Meter (per output). NTEP/CTEP

Specifications are subject to change to improve design, function and others.

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