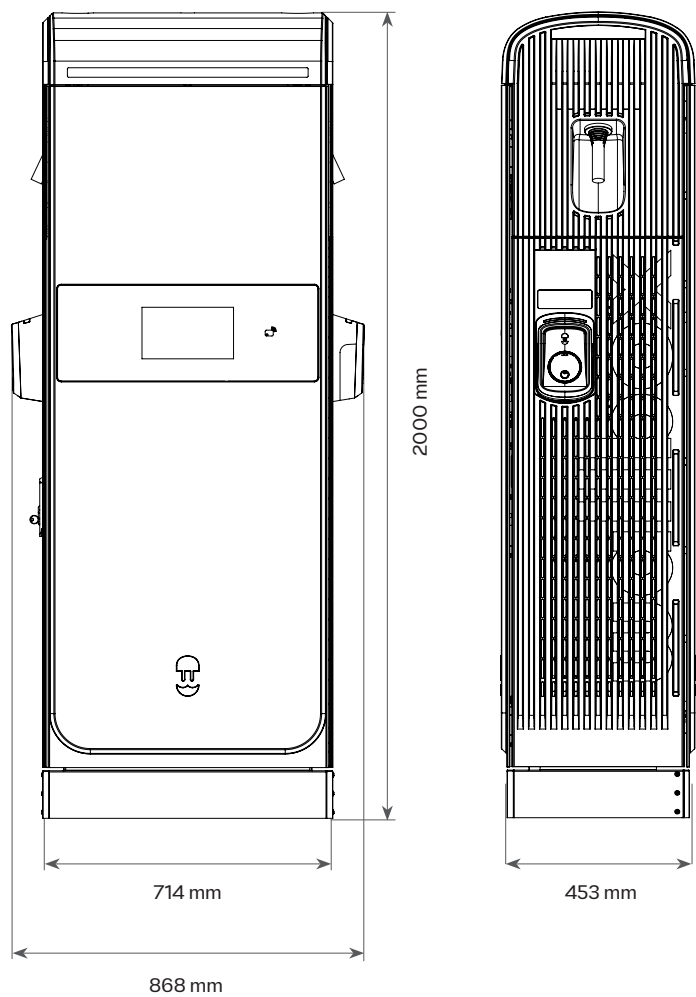


Supernova 220



Product	SN 220
Electrical	
Output Power	220 kW
Nominal Efficiency	95%
Power Factor	>0.98
THD	5%
Standby Consumption	<60 W
Output Voltage	150-1000 VDC
Output Current	400 A
Supply Input Voltage Range	400 VAC \pm 10%, 50-60 Hz; 3P+PE
Max Supply Input Current	350 A at 220 kW DC output power
Split Charge	Simultaneous charge of 2 outputs
Electrical Protections	Grid disconnection, Surge Arrestor, Fuses, MCCBs

Environmental

Environmental Ratings	IP54, IK10, 2000 m altitude
Operating Temperature	-30°C to 50°C
Storage Temperature	-30°C to 70°C
Cooling System	Active air cooling
Humidity	5% to 95% Non-condensing
Operational Noise Level	<68 dBA @ 1m at full power output (front)

General

DC Connectors	CCS2+CCS2
Cable Length	5 m
Cable Management	Retracting the cable to its initial position
Supernova Footprint	2000x453x714 mm
Maximum Outer Dimensions	2136x453x1219 mm
Weight with packaging	430 kg
Weight without packaging	400 kg
Branding Options	Company logos/front surface/full charger vinyling
Charging Compliance	CCS (DIN 70121; ISO15118) IEC 61851-1; IEC 61851-23; IEC 61851-21-2
Safety Compliance	CE, IEC
EMC Compliance	CE, IEC

Interface and Control

Connectivity	Ethernet, 2G/3G/4G/LTE, Space for external router (DIN rail)
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	Factory fitted Credit Card Reader, various EVA compliant options available for installation
Metering	AC & DC metering. Eichrecht Calibration Law/MID/PTB compliant DC meter available as an option