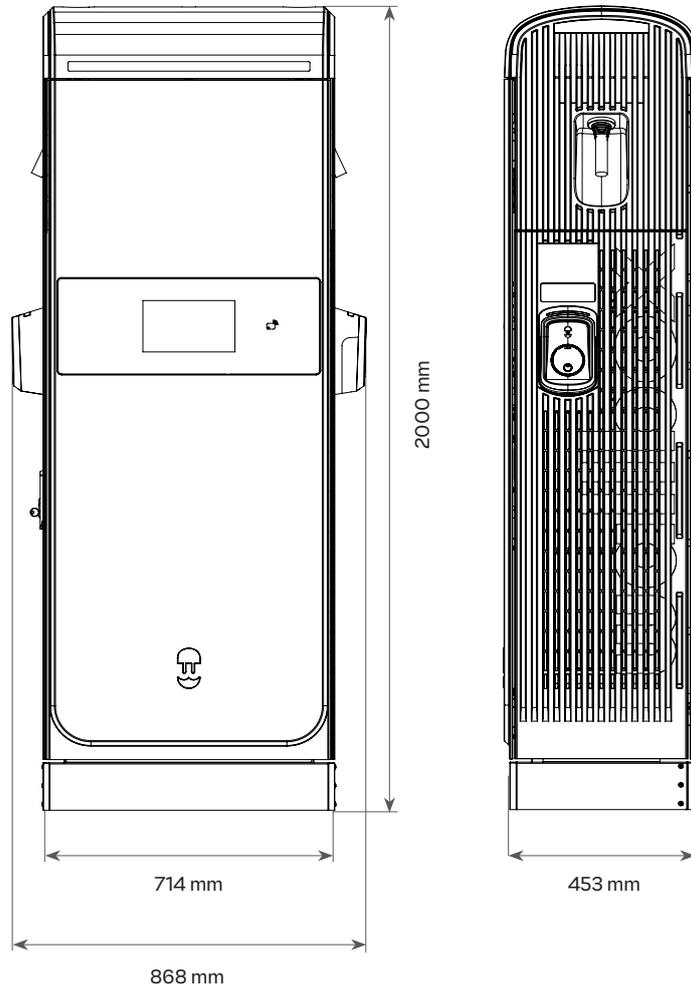


DATASHEET

# Supernova 240



Product	SN 240	SN 160	SN 80
<b>Electrical</b>			
<b>Output Power</b>	240 kW	160 kW	80 kW
<b>Nominal Efficiency</b>	95%		
<b>Power Factor</b>	>0.98		
<b>THD</b>	5%		
<b>Standby Consumption</b>	<60 W		
<b>Output Voltage</b>	150-1000 VDC		
<b>Output Current</b>	400 A	400 A	200 A
<b>Supply Input Voltage Range</b>	400 VAC ± 10%, 50-60 Hz; 3P+PE		
<b>Max Supply Input Current</b>	375 A at 240 kW DC output power	250 A at 160 kW DC output power	125 A at 80 kW DC output power
<b>Split Charge</b>	Simultaneous charge of 2 outputs		
<b>Electrical Protections</b>	Grid disconnection, Surge Arrestor, Fuses, MCCBs		

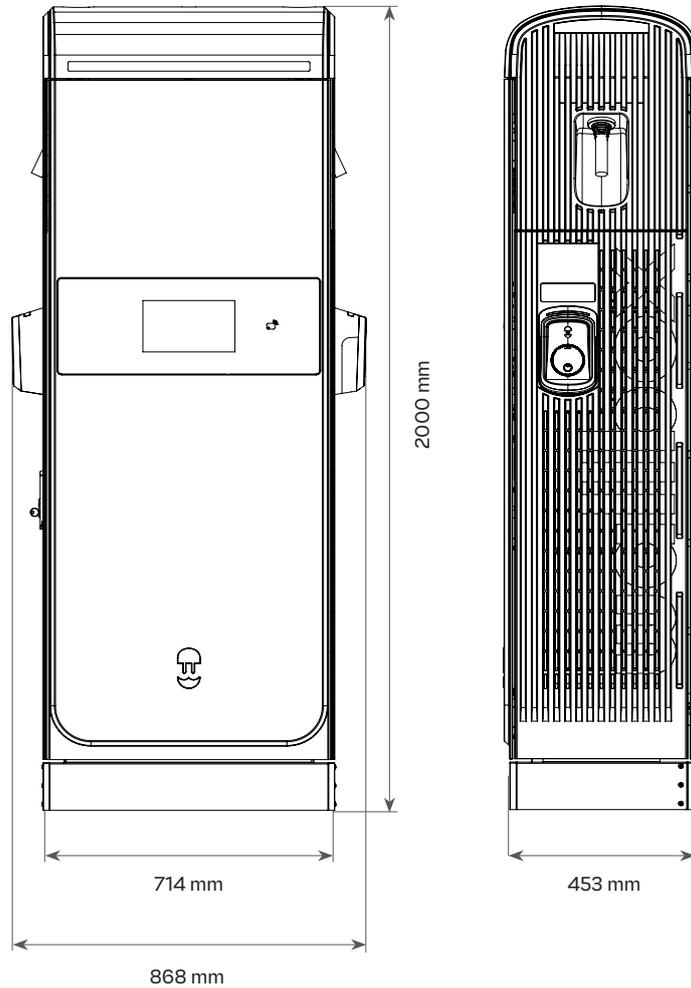
<b>Environmental</b>	
<b>Environmental Ratings</b>	IP54, IK10, 2000 m altitude
<b>Operating Temperature</b>	-30°C to 50°C, > 25°C derating
<b>Storage Temperature</b>	-30°C to 70°C
<b>Cooling System</b>	Active air cooling
<b>Humidity</b>	5% to 95% Non-condensing
<b>Operational Noise Level</b>	<68 dBA @ 1m at full power output (front)

<b>General</b>			
<b>DC Connectors</b>	CCS2+CCS2		
<b>Cable Length</b>	5 m		
<b>Cable Management</b>	Retracting the cable to its initial position		
<b>Supernova Footprint</b>	2000×453×714 mm		
<b>Maximum Outer Dimensions with Cable Management System</b>	2136×453×1219 mm		
<b>Weight with packaging</b>	430 kg	400 kg	370 kg
<b>Weight without packaging</b>	400 kg	370 kg	340 kg
<b>Branding Options</b>	Company logos/front surface/full charger vinyling		
<b>Charging Compliance</b>	CCS (DIN 70121; ISO15118) IEC 61851-1; IEC 61851-23; IEC 61851-21-2		
<b>Safety Compliance</b>	CE, IEC		
<b>EMC Compliance</b>	CE, IEC		

<b>Interface and Control</b>	
<b>Connectivity</b>	Ethernet, 2G/3G/4G/LTE, Space for external router (DIN rail)
<b>Backend Communication Protocol</b>	OCPP 1.6J, OCPP 2.0 (Hardware Ready), Plug & Charge (Hardware Ready)
<b>Commissioning Interface</b>	Local (via Ethernet and without extra software) and remote webmanager
<b>Diagnostics</b>	Auto-diagnostics system
<b>User Interface</b>	10" Anti-vandal Colour Touch Display (sunlight readable), LED status lights
<b>Authentication</b>	App (OCPP) / RFID (MI-FARE ISO/IEC14443A/B, ISO/IEC15693, ISO/IEC18000-3, FeliCa, NFC)
<b>Ad-Hoc Payment</b>	Factory fitted Credit Card Reader, various EVA compliant options available for installation
<b>Metering</b>	AC & DC metering. Eichrecht Calibration Law/MID/PTB compliant DC meter

DATASHEET

# Supernova 150 | 120 | 60HV



Product	SN 150	SN 120	SN 60HV
<b>Electrical</b>			
<b>Output Power</b>	150 kW	120 kW	60 kW
<b>Charging Protocol</b>	ISO15118, DIN SPEC 70121		
<b>Nominal Efficiency</b>	95%		
<b>Power Factor</b>	>0.98		
<b>THD</b>	5%		
<b>Standby Consumption</b>	<50 W		
<b>Output Voltage</b>	150-1000 VDC		
<b>Output Current</b>	400 A		150 A
<b>Supply Input Voltage Range</b>	400 VAC ± 10%, 50-60 Hz; 3P+N+PE		
<b>Max Supply Input Current</b>	235 A at 150 kW DC output power	190 A at 120 kW DC output power	95 A at 60 kW output power
<b>Split Charge</b>	Simultaneous charge of 2 outputs (75/75 kW)	Simultaneous charge of 2 outputs (60/60 kW)	Simultaneous charge of 2 outputs (30/30 kW)
<b>Electrical Protections</b>	Grid disconnection, Surge Arrestor, per output: MCCB, RCD <sup>1</sup>		

<sup>1</sup> The Supernova may or may not be fitted with an RCD, depending on the specification of the Supernova chosen.

<b>Environmental</b>	
<b>Environmental Ratings</b>	IP54, IK10, 2000 m altitude
<b>Operating Temperature</b>	-30°C to 30°C to 50°C de-rated
<b>Storage Temperature</b>	-30°C to 70°C
<b>Cooling System</b>	Active air cooling
<b>Humidity</b>	5% to 95% Non-condensing
<b>Operational Noise Level</b>	Low Noise Mode <65 dBA @ 1 m ≤ 30 °C at full power output

## General

<b>DC Connectors</b>	CCS2+CCS2		
<b>Cable Length</b>	5 m		
<b>Cable Management</b>	Retracting the cable to its initial position		
<b>Dimension with holster</b>	2000x453x868 mm		
<b>Dimension without holster</b>	2000x453x714 mm		
<b>Dimensions with CMS</b>	2136x453x1219 mm		
<b>Weight with packaging</b>	410 kg	380 kg	350 kg
<b>Weight without packaging</b>	380 kg	350 kg	320 kg
<b>Branding Options</b>	Company logos/front surface/full charger vinyling		
<b>Accessibility</b>	Environmental light		
<b>Charging Compliance</b>	CCS (DIN 70121; ISO15118) IEC 61851-1; IEC 61851-23; IEC 61851-21-2		
<b>Safety Compliance</b>	CE, IEC		
<b>EMC Compliance</b>	CE, IEC		

## Interface and Control

<b>Connectivity</b>	Ethernet, 2G/3G/4G/LTE, Space for external router (DIN rail)		
<b>Backend Communication Protocol</b>	OCPP 1.6J, OCPP 2.0 (Hardware Ready), Plug & Charge (Hardware Ready)		
<b>Commissioning Interface</b>	Local (via Ethernet and without extra software) and remote webmanager Schuko 230 V		
<b>Diagnostics</b>	Auto-diagnostics system		
<b>User Interface</b>	10" Anti-vandal Colour Touch Display (sunlight readable), LED status lights		
<b>Authentication</b>	App (OCPP) / RFID (MI-FARE ISO/IEC14443A/B, ISO/IEC15693, ISO/IEC18000-3, FeliCa, NFC)		
<b>Ad-Hoc Payment</b>	Credit Card Reader (various options available)		
<b>Metering</b>	AC MID, DC Meter (per output)		