

wallbox 



Supernova 180

Fast charging you can rely on

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Supernova is the scalable, end-to-end fast charging solution for your business.



Reliable

Supernova's modular power system and our customizable support services are designed to maximize uptime and increase revenue potential, while reducing maintenance costs and response times.



Efficient

Supernova is designed for easy installation and effortless operation. Split charge intelligence enables the charging of two EVs simultaneously for maximum utilization and ROI.



User centric

With its modern, compact design and user-friendly charging interface, Supernova stands out in public locations and attracts drivers needing to charge.



Flexible

Supernova's compact size fits into new and existing charger networks and virtually any kind of location. Its retrofittable features let you adapt Supernova to future needs.



RELIABLE

Designed for maximum uptime and reduced maintenance

Wallbox does all R&D, industrialization, and production of Supernova in-house for unparalleled control over our value chain, allowing us to ensure the **highest quality of components and seamlessly integrate our hardware and software.**

Supernova 180 is the latest generation of our proven fast charger. Its modular architecture enables installation in virtually any environment and allows **parallel power conversion, even in the unlikely event of a module failure.** Each power module operates at high efficiency (95%) with reduced audible noise, and is light enough (33 lbs) to allow maintenance by a single person.

Our innovative six-module design and self-learning algorithm allocates power from each module as needed. When connected EVs demand lower than nominal power, Supernova's power cycling capability allows the charger to automatically switch off power modules, **reducing wear and increasing the lifetime of the charger.**

Greater servicability and connectivity

Supernova's design, wide array of sensors, real-time data monitoring and round-the-clock connectivity enables efficient and low-cost maintenance.

- ✓ Modular design and convenient access from all sides make Supernova's power modules **easy to maintain or replace as needed.**
- ✓ **Remote diagnostics** and troubleshooting reduce the need for onsite inspection and intervention.
- ✓ Customizable services including **preventative and corrective maintenance** can be adapted to real operating conditions.



EFFICIENT

Seamlessly fits your business to allow you to scale your network and increase ROI

In-house production capabilities allow **versatility for fast deployment in the field.**

Supernova's **modular design and reduced footprint** lets you adapt to virtually any location, opening more sites and opportunities to install fast charging, accelerate deployment, scale your network, and deliver a higher ROI.

Transport & Installation

Light and modular design, easy and effortless transportation and installation.

No cranes needed. Supernova can be moved and placed by forklift, simplifying installation and maintenance. Plus, our comprehensive training program ensures all partners and installers have what they need to install, commission, and use Supernova with minimal added effort.

Customized pre-commissioning from the production line is available as an option, with a final and simple web interface process on site (no specific software needed).

Split Charge: increased utilization and ROI

Simultaneously charge two EVs at up to 90 kW per outlet:

- ✓ Increased utilization thanks to **simultaneous sessions.**
- ✓ **Ideal for locations with limited power or space** (service stations, public charging hubs, dealerships, shopping malls, etc.).



USER-CENTRIC

Provide a seamless experience to your customers



**Cable
Management
System**

**Interactive lighting
system:**

Beacon Light,
Connector Status
Lights & Courtesy
Lights

**CCS1 and
NACS
options****

RFID user
authentication

**10" sunlight readable
touchscreen (IK10)**

**Intuitive and easy
on-screen user
interface**

**Card reader/
multiple payment
options**

**Emergency
button***

**Customizable branding
from factory available***

**Optional.*

***Contact your sales representative for availability*

FLEXIBLE

Adapt to current and future needs in a rapidly evolving market

Modular design to meet your business needs and scale with your operations, providing the platform to upgrade from 60 kW to 120 or 180 kW

Easily integrate into any **new or existing charging network via OCPP**

Over-the-air software updates ensure up-to-date functionality and compatibility with current and future electric vehicles.

Supernova's platform enables easy adaptation to new field requirements with features such as:

- ✓ Cable replacement
- ✓ Easy installation of spare parts



**Contact your sales representative for availability*

SERVICES

Customizable services for your business

Wallbox Care Program offers a range of customizable services to ensure **optimal installation, operation, and maintenance of Supernova.**



Commissioning by certified agents to increase reliability and safety



Spare parts to extend your Supernova's lifespan



Corrective and preventive maintenance to identify and repair faults



Extended warranty to provide additional coverage for unexpected repairs



Remote support from our Customer Care Centre



Training and support materials for sales and partners networks

The **Wallbox Care Program** includes different levels designed to adapt to your needs. Contact your sales representative for more information.

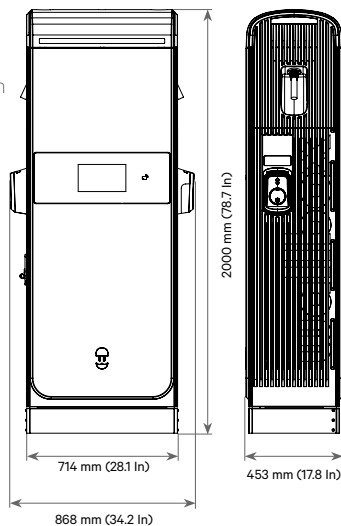
SUPERNOVA 180

Technical specifications

DC Connectors:	CCS1+CCS1 / CCS1+NACS*
Charging Protocol:	ISO15118, DIN SPEC 70121, SAEJ1772
Cable Length:	5 m (16.4 ft)
Cable Management:	Retracting the cable to its initial position
Output Power:	180 kW
Nominal Efficiency:	95%
Power Factor:	> 0.98
THD:	5%
Output Voltage:	150-1000 V
Output Current:	350 A
Supply Input:	480 V $\pm$ 10%, 60 Hz; 3P+PE

Environmental Ratings:	IP54, IK10, 6560 ft (2000 m) altitude, NEMA 3R
Operating Temperature:	-30°C to 50°C (-22° F to 122° F)
Cooling System:	Active air cooling
Operational noise level:	< 65 dBA
Humidity:	5% to 95% Non-condensing
Dimensions without holster:	2000x453x714 mm (78.7x17.8x28.1 In)
Weight:	400 kg (882 lbs.)
Branding Options:	Artwork Templates

Connectivity:	Ethernet, 4G/LTE, WiFi
Backend Communication:	OCPP 1.6.J, OCPP 2.0 (Hardware Ready), Plug & Charge (Hardware Ready)
Diagnostics:	Auto-diagnostics system
User Interface:	10" Anti-vandal Color Touch Display (sunlight readable)(IK10), 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)
Charging Compliance:	CCS (DIN 70121; ISO15118; SAEJ1772) IEC 61851-1; IEC 61851-23; IEC 61851-21
Safety Compliance:	UL 2202, UL 2231
EMC Compliance:	FCC 47 CFR Part 15B, CAN ICES-003A / NMB-003A



Specifications are subject to change to improve design, function, or otherwise. *Contact your sales representative regarding availability.

Want to learn more about Supernova 180?

Contact us: sales.na@wallbox.com

www.wallbox.com

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