

wallbox ™



# Supernova 150

Fast charging you can rely on

SUPERNOVA 150

# Fast charging you can rely on

Supernova is the integrated fast-charging solution to scale your business.



## Reliable

Supernova and our customised services are developed to maximize uptime in order to increase revenue potential while reducing maintenance costs and response times.



## Efficient

Seamlessly fits your business to allow you to scale your network and increase ROI. Scalability is enabled by easy installation, reduced footprint and effortless operation. Dynamic power distribution increases utilization and ROI by charging up to two EVs simultaneously.



## User centric

Thanks to its slick design and seamless charging experience, Supernova stands out in public locations and attracts drivers to charge.



## Flexible

Supernova integrates into any existing charging network and its reduced footprint allows it to be installed in all kinds of locations. Moreover Supernova offers retrofittable features to adapt to future needs.



## RELIABLE

# Designed for maximum uptime and reduced maintenance

Our experience and dedication to electric vehicle charging allows us to insource R&D, industrialization and production, which occurs just five minutes from our European headquarters. This gives Wallbox unprecedented control over the entire value chain to ensure the **highest quality of all components as well as a seamless integration between hardware and software.**

Supernova 150 is the second generation of our proven fast charger. Its modular architecture allows parallel power conversion ensuring uptime even in the unlikely event that a module fails. State-of-the-art power modules result in a high efficiency (95%) and reduced audible noise; while easy to handle (15 kg) for one single person.

Our innovative six-module design and its self-learning algorithm allocates power per module when EVs demand less than nominal power. Its cycling capability allows it to switch modules off, **reducing wear and increasing lifetime.**

## And with greater serviceability and connectivity

Enjoy efficient, low-cost maintenance thanks to Supernova's comprehensive design, a wide array of sensors, real-time data and round-the-clock connectivity:

- ✓ All major components and modules are **easy to maintain or replace**, with convenient access from all sides.
- ✓ **Remote diagnosis** and troubleshooting to reduce onsite intervention.
- ✓ Customizable service packages such as **preventive and corrective maintenance** adapted to real operating conditions.



## EFFICIENT

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

Inhouse production enables **short lead times for a fast deployment in the field.**

Supernova's **reduced footprint helps to adapt to multiple locations** opening more potential sites to scale your network faster, enabling an easier deployment and higher ROI.

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## Transportation & Installation

**Light and modular design for easier and effortless transportation and installation.**

Simplified installation options include forklift capability, eliminating the need for a crane. Our comprehensive training program simplifies the process for all partners and installers.

Customized precomissioning can be performed in the production line, with a final and simple web interface process on site (no specific software needed).

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## Dynamic Power Distribution increases utilization and ROI

**Simultaneous charge with dynamic allocation between 60 and 90 kW per outlet when a second car plugs in:**

- ✓ **Increased utilization by:**
  - Starting simultaneous sessions.
  - Distributing power dynamically to adjust to each car's demand and deliver maximum power possible.
- ✓ **Ideal for locations with limited power** (petrol stations, high power charge hubs, car dealers, shopping malls).



USER CENTRIC

# Provide a seamless experience to your customers



**Cable  
management  
system\***

**Interactive  
lighting system:**  
Beacon Light,  
Connector  
Status Lights &  
Courtesy Lights

Numerous payment  
options including  
**credit card reader\***

**2x CCS2 or  
CCS2 & CHAdeMO\***

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

**Intuitive and easy  
handling interface**

**RFID user  
authentication**

**Emergency  
button\***

**Customizable branding  
from factory available\***

*\*Optional. Contact your sales representative regarding availability.*



## FLEXIBLE

# Adapt to current and future needs of a rapidly evolving market

**Charge up to 2 EVs simultaneously** with double CCS2 or CCS2 & CHAdeMO.

Easy integration with any **existing charging network through OCPP.**

Supernova's platform enables to **retrofit the charger on field** with features\* such as:

- Cable Management System
- 3m to 5m cable length extension
- Credit card reader

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



*\*Optional. Contact your sales representative regarding availability.*

## SERVICES

# Customizable services for your business

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



**Commissioning** by certified agents to increase reliability and safety.



**Spare parts** to extend the charger's lifespan.



**Corrective and preventive maintenance** to identify and repair faults in equipment.



**Warranty extension** to provide additional coverage for unexpected repair costs.



**Remote support** from our Customer Care Center.



**Training and support materials** for sales and partners networks.

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

## SUPERNOVA 150

# Technical specifications

DC Connectors: CCS2+CCS2 / CCS2+CHAdeMO  
 Charging Protocol: ISO15118, DIN SPEC 70121, CHAdeMO  
 Cable Length: 3m, 5m [1]\*  
 Cable Management: Ideal for 5 m retracting the cable to its initial position, retrofittable [1]

Output Power: 150 kW  
 Nominal Efficiency: 95%  
 Power Factor: > 0.98  
 THD: 5%  
 Output Voltage: 150-1000 V  
 Output Current: 400 A  
 Supply Input: 400 V  $\pm$  10%, 50-60 Hz  
 Electrical Protections: Grid disconnection, Surge Arrestor, per output: MCB, RCD Type A

Environmental Ratings: IP54, IK10, 2000 m altitude  
 Operating Temperature: -30°C to 50°C  
 Cooling System: Active air cooling  
 Operational noise level: < 65 dBA  
 Humidity: 5% to 95% Non-condensing  
 Dimensions without holster: 2000 x 868 x 453 mm  
 Weight: 400 kg

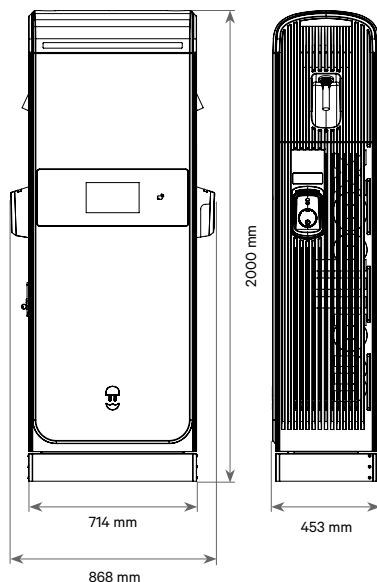
Branding Options: Artwork Templates  
 Connectivity: Ethernet, 2G/3G/4G/LTE, Space for external router (DIN rail)  
 Backend Communication: OCPP 1.6J  
 Diagnostics: Auto-diagnostics system

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\* [1] (various options available)

Metering: AC MID, DC Meter (per output)  
 Charging Compliance: CCS (DIN 70121; ISO15118) IEC 61851-1; IEC 61851-23; IEC 61851-21; CHAdeMO 1.2.4  
 Safety & EMC Compliance: CE, IEC  
 Cybersecurity Compliance: CE, IEC

Specifications are subject to change to improve design, function, or otherwise. [1] Optional.

\*Contact your sales representative regarding availability.



**Want to learn more about Supernova 150?**

**Contact us:** [sales@wallbox.com](mailto:sales@wallbox.com)

**www.wallbox.com**

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