Supernova 220

Fast charging you can rely on

Now with 220 kW of power

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.

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

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. Split Charge increases utilization and ROI by charging up to two EVs simultaneously.

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.

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 220 is the fourth 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 (16 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.

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.

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).
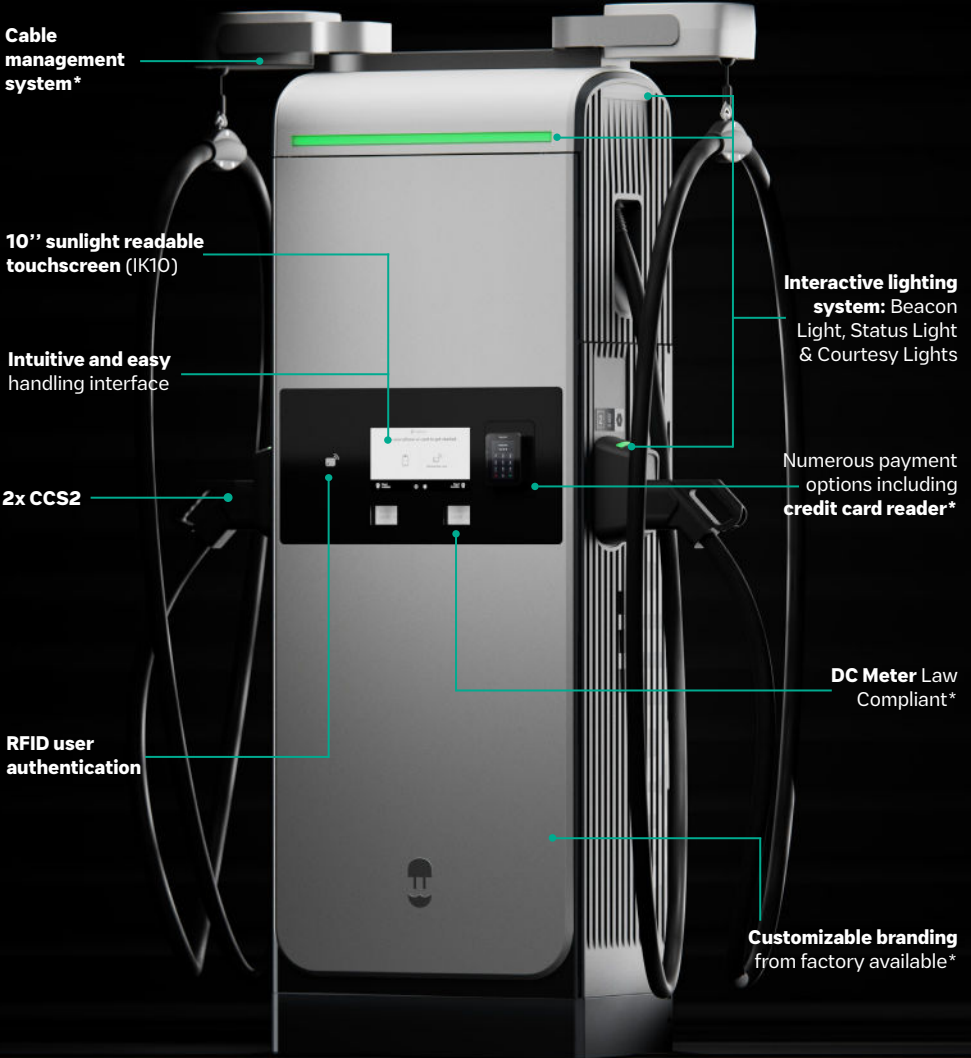
Split Charge increases utilization and ROI

Simultaneous charge with 110 kW per outlet when a second car plugs in:

- ✔ **Increased utilization by starting simultaneous sessions.**

- ✔ **Ideal for locations with limited power** (petrol stations, high power charge hubs, car dealers, shopping malls).

Provide a seamless experience to your customers

Cable management system*

10'' sunlight readable touchscreen (IK10)

Intuitive and easy handling interface

2x CCS2

RFID user authentication

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

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

DC Meter Law Compliant*

Customizable branding from factory available*

*Optional. Contact your sales representative regarding availability.

Adapt to current and future needs of a rapidly evolving market

Charge up to 2 EVs simultaneously with double CCS2.

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
· Credit card reader

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

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.

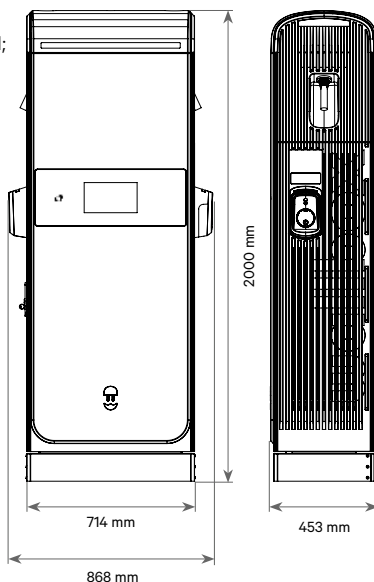**Remote support** from our Customer Care Center.

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 220
Technical specifications

DC Connectors:	CCS2+CCS2
Charging Protocol:	CCS (DIN 70121; ISO15118) IEC 61851-1; IEC 61851-23; IEC 61851-21-2
Cable Length:	5m
Cable Management:	Ideal for 5 m retracting the cable to its initial position, retrofittable [1]
Output Power:	220 kW
Nominal Efficiency:	95%
Power Factor:	> 0.98
THD:	5%
Output Voltage:	150-1000 V
Output Current:	400 A
Supply Input:	400 VAC ± 10%, 50-60 Hz; 3P+PE
Electrical Protections:	Grid disconnection, Surge Arrestor, Fuses, MCCBs
Environmental Ratings:	IP54, IK10, 2000 m altitude
Operating Temperature:	-30°C to 50°C
Cooling System:	Active air cooling
Operational noise level:	<68 dBA @ 1m
Humidity:	5% to 95% Non-condensing
Dimensions without holster:	2000 x 868 x 453 mm
Weight:	400 kg

714 mm · 868 mm · 453 mm · 2000 mm

Branding Options:	Artwork Templates
Connectivity:	Ethernet, 2G/3G/4G/LTE, Space for external router (DIN rail)
Backend Communication:	OCPP 1.6J, OCPP 2.0 (Hardware Ready), Plug & Charge (Hardware Ready)
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 & DC metering. Eichrecht Calibration Law/MID/PTB compliant DC meter*[1]
Charging Compliance:	CCS (DIN 70121; ISO15118) IEC 61851-1; IEC 61851-23; IEC 61851-21-2
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 220?
Contact us: sales@wallbox.com

www.wallbox.com

wallbox ™