



SUPERSONIC



Reliable Fast DC Charging for your car safer

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We designed our Fast Charging Supersonic under five key principles which make it reliable, profitable, easy operation and scalable



Safety

With TUV SUD certified CE certificate, use high-quality housing material for products, meet safety standards, and offers 24 months warranty time, products are safe and reliable.



Reliability

Optimizing system uptime to elevate profits and improve client happiness while cutting down on maintenance expenses. Our product engineering centers on dependability and ease of service, employing real-time information to enhance maintenance and administration processes.



Efficiency

Simplified handling and lowered total cost of ownership. Supersonic necessitates up to 50% less investment in comparison to comparable chargers, leads the way in energy conservation, and ensures seamless installation and operation.



User Centricity

Owing to our comprehension of end-users, acquired from years of supplying home charging solutions, we offer the finest fast charging experience. A smooth experience draws in more drivers, boosts revenue, and minimizes customer follow-ups.



Flexibility

Supersonic integrates into any existing charging network and can be installed in all kinds of locations and is compatible with today's and tomorrow's electric vehicles.



SAFETY

With CE Certificate by TUV SUD

To ensure safety in DC charging, the communication protocol between the charger and the electric vehicle is crucial. It enables the exchange of charging information and facilitates charging control, ensuring interoperability and safe charging. Our Supersonic comply with EN IEC 61851-21-2:2021, EN IEC 61851-1:2019, EN 61851-23:2014, EN 61851-24:2014, with CE certificate by TUV SUD.

RELIABILITY

Designed for maximum operational efficiency and minimize maintenance

With our advanced technology and unwavering commitment to reliability. Our expertise in electric vehicle (EV) charging spans from research and development to production and industrialization. Located just 5 minutes from our European headquarters, we have complete control over the entire value chain. We even manufacture our own power modules, ensuring the use of premium components and seamless hardware-software integration.

Thanks to our innovative technology, our modular design with parallel power conversion ensures uninterrupted service, even in the rare event of a module failure.

To enhance efficiency, our intelligent self-learning algorithm optimally distributes power across modules when EV demand is below nominal power. Additionally, our system can deactivate modules when not in use, reducing wear and extending their lifespan."

EFFICIENCY

Easy operation and reduced total cost of ownership

Product

Up to **half the total investment** than similar competitors.

State-of-the-art Silicon Carbide Power Semiconductors (SiC) resulting in lightweight modules (11 kg), higher efficiency (95,4%), and reduced audible noise.

Our self-learning algorithm enhances our innovative six-module approach. Its cycling the capability allows to switch modules off in order to **optimize energy efficiency** even when EVs demand less than nominal power.

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

Maintenance

Efficient, low-cost maintenance is achieved thanks to Supersonic's comprehensive design, a wide array of sensors, real-time data, and round-the-clock connectivity.



All major components and modules are lightweight and easy to maintain or replace, with convenient access from three sides



Remote diagnosis and troubleshooting to reduce onsite intervention



Preventive and corrective maintenance adapted to real operating conditions

USER CENTRICITY

Provide a seamless experience to customers

Interactive light system to guide drivers through the entire process, from finding a free spot to returning the plug to its holster. **Courtesy lights** simplify charging in dark places or during the night.

10" sunlight-readable touchscreen with intuitive design, concise information, and minimum interactions required to initiate charging.

All handled elements are **ergonomically accessible and wheelchair compliant**. Our retractable cable management system* prevents floor contact and ensures that the installation remains clean.

Numerous payment options. Screen QR Code* and credit card reader*.

Authentication options: RFID or via OCPP interface.



FLEXIBILITY

Adapt to current and future needs

2 CCS / 2GBT / 1 CCS+1 CHAdeMO / 1 CCS+1 GBT

Split charge* delivers 30 kW per outlet when two EVs are connected. This **increases utilization** as simultaneous sessions can start. Power increases to 60 kW for one car when the second one unplugs.

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

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

Supersonic can be installed against a back wall. Considering also its slim design, it adapts perfectly to locations with very limited space. A minimum gap of 10 cm against the back wall is recommended to simplify service & repairs.



Technical Specifications

DC Connectors:	2 CCS /2GBT /1 CCS+1 CHAdeMO / 1 CCS+1 GBT
Charging Protocol:	ISO15118, DIN SPEC 70121, CHAdeMO
Cable Length:	5m (customizable)
Output Power:	60-240kW (60/ 120/ 180/ 240kW are available)
DC Out Voltage Range:	DC300~1000V
Constant Power Output Voltage:	DC300~1000V
Max Output Current:	DC400A
Max Output Current (Single Plug):	DC200A
Output Voltage:	CF \leq 1%
Harmonic Voltage:	$\leq\pm 0.5\%$
Nominal Efficiency:	$\geq 95.0\%$
AC Input Voltage:	AC260V~AC485V 3 Phase 5 Wires(A+B+C+N+PE)
Frequency:	55Hz $\pm 10\%$
Power Factor:	≥ 0.99
Harmonic Current:	$\leq\pm 1\%$
Current Balance/ Unbalance:	$\leq\pm 5\%$
Standby Power Consumption:	$\leq 0.1\%$ output rating
Electrical Protection:	Input/output over/under voltage protection, Over current and short circuit protection, lightning protection, Over temperature protection
Environmental Ratings:	IP54, IK10, 2000m altitude (Derating above 2000m)
Operating Temperature:	-40°C to 70°C (Derating above 50°C)
Cooling System:	Active air cooling (Liquid cooling is available)
Operational Noise Level:	≤ 55 dBA
Humidity:	5% to 95% Non-condensing
Dimensions without holster:	700*650*1900mm (W*D*H)
Weight:	280-400 kgs
Branding Options:	OEM (Artwork Templates)
Connectivity:	Ethernet, 2G/3G/4G/LTE, Space for the external router (DIN rail)
Backend Communication:	OCPP 1.6J
Diagnostics:	Auto-diagnostics system
User Interface:	LCD (12.1")
Authentication:	App (OCPP) / RFID (MI-FARE ISO/IEC14443A/B, ISO/IEC15693, ISO/IEC18000-3), WIFI
Power Distribution Mode:	Standalone, Current switch, Plug switch, Full hold, Master-slave
Charging Mode:	Auto basis, Time basis, Amount basis, Energy basis, SOC basis
Ad-Hoc Payment:	RFID Card/ App
Charging Compliance:	CCS (DIN 70121, ISO15118*), IEC 61851-1, IEC 61851-23, IEC 61851-21-2, CHAdeMO 1.2 Certified
Safety & Certificate:	CE (UL is applying)
Warranty:	24 months

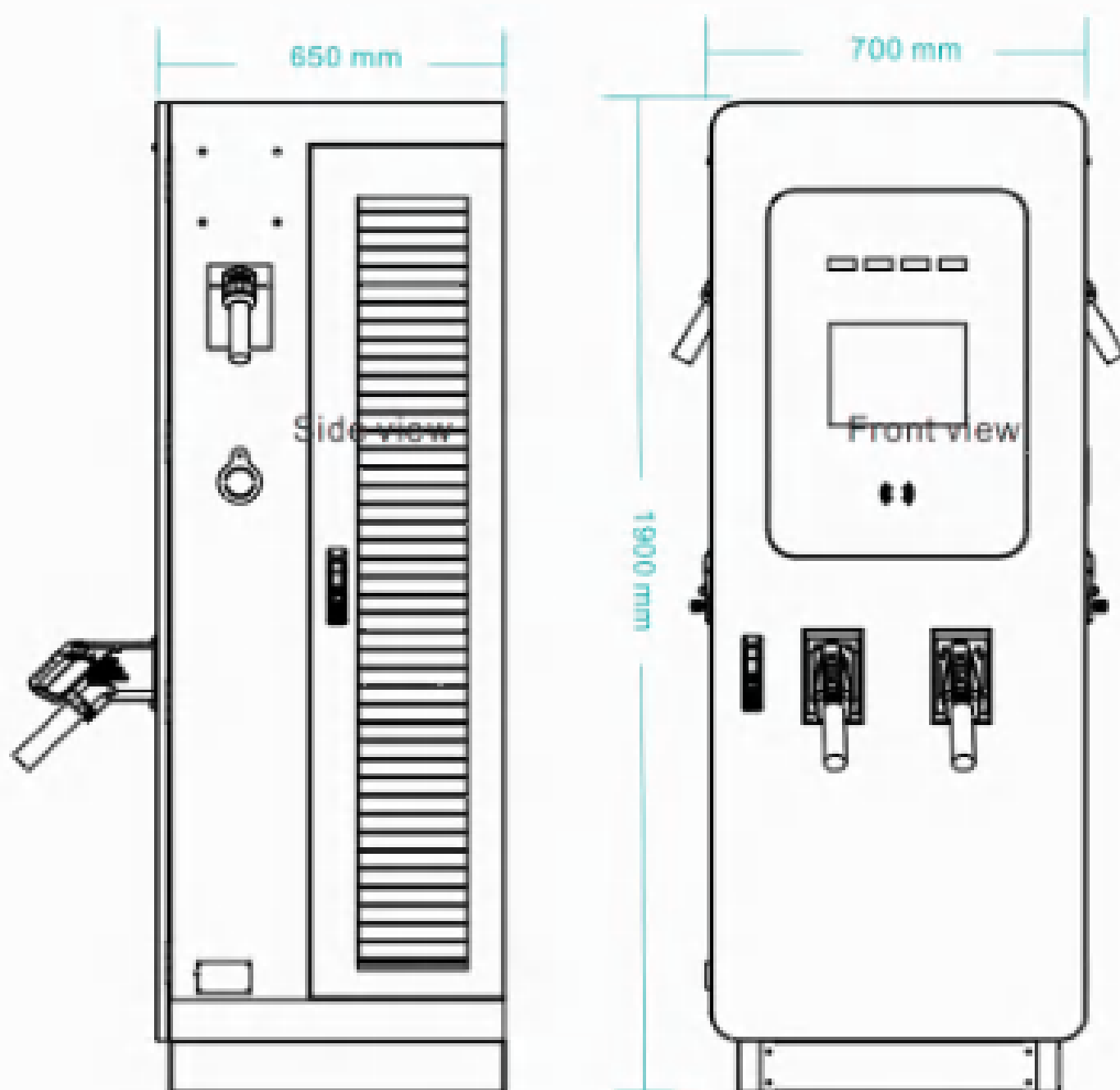
Basic Model Parameters

Product Category	60kW	120kW	180kW	240kW
Connector Standard	CCSI, CCS2, CHAdeMO, GBT			
AC Input Voltage Range (V)	AC260V~AC485V 3 Phase 5 Wires (A+B+C+N+PE)			
DC Output Voltage Range (V)	DC150~1000V			
Constant Power Output Voltage Range (V)	DC300~1000V			
Output Power	60kW	120kW	180kW	240kW
Weight	280KGS	320KGS	360KGS	400KGS
Max Output Current (A)	DC200A	DC400A	DC400A	DC400A
Max Output Current for Single Plug (A)	DC200A	DC200A	DC200A	DC200A

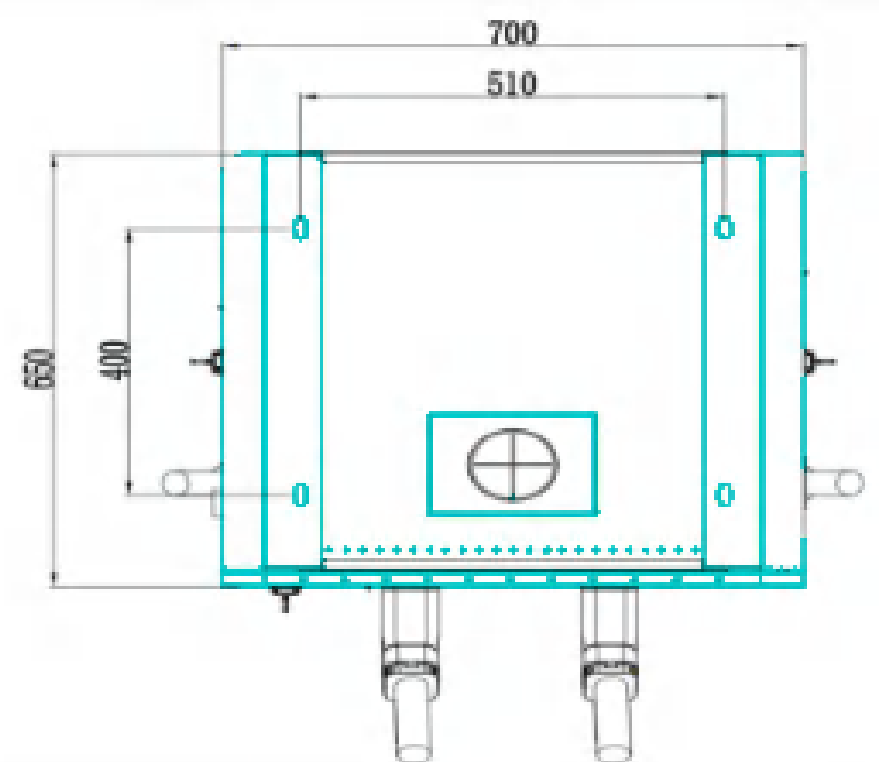
Specifications are subject to change to improve design, function, or otherwise.
Any optional functions please contact your sales representative regarding availability



Dimensions



Dimensions without holster



Hole size of charger base

Detail Pictures



FAQs

1. What are our advantages?

- With over 10 years of experience in OEM/ODM & Project Management. Delivering High-Quality & Safe AC EV Chargers and DC Fast Charging Stations to enrich portfolios of Branders, Distributors, Wholesalers, Retailers & Installers, and so on.
- Supported Giant Clients in the USA, Europe, Southeast Asia, and Chinese markets, Other markets also have clients in good communication processes.
- Over 60 engineers in-house for R&D and After-Services Supporting;

2. What we can support you?

A: We are the OEM & ODM services one-stop provider for each of our clients. 24*7 hours fast reply, strict quality control, 3rd party inspection, and lead time control for fast production, we are your worry-free supporter and partner in China.

3. How long is the warranty?

A: The warranty we offered is 24 months, and since we used industrial-grade metal material, which is IP54 and IK10, so it's reliable for long-term use.

4. Anything we can do when the equipment running wrong?

A: Press the emergency stop button, then restart and the equipment also has a report to our platform, and we can track the problem and provide the solution and help you fix it.

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