

# Easy charging

With the innovative Webasto charging solutions for your electric car







## Webasto charges your electric car

The mobility of tomorrow is sustainable, electric and connected. Electric mobility is on the rise and this promising new technology is developing at breakneck speed. Thanks to optimized batteries, longer range and shorter charging times, the electric car is suitable for everyday driving.

Webasto supports you in your decision for forward-looking mobility. With our powerful charging stations, comprehensive services, and digital connectivity, we have the right charging solution for your electric mobility. Whether at your company, as a service for your customers or at your home – we make charging electric cars quick, easy and efficient.



**5 years**  
quality promise\*



Made in Germany

# Webasto Pure

## Pure perfection

With the cost-effective Webasto Pure charging station, charging your electric vehicle at home becomes very easy. The design award-winning wallbox not only recharges your vehicle quickly and safely, but its clever design also makes it extremely practical to use in your daily life. With a warranty extended to 5 years\*, the high-quality charging station also offers you a unique promise of quality.

### Key facts at a glance:

- Configurable charging capacity at various levels up to 11 or 22 kW
- Integrated type 2 charging cable with 4.5 or 7 m cable length
- Convenient cable suspension and plug socket
- Charging station operating status display in optimized LED design
- Access control with universal key switch
- Easy-to-use charging station
- Easy installation and fast start-up
- Cost savings for installation thanks to integrated DC residual current protection
- Remote access by the grid operator is possible, to ensure grid stability
- High-quality manufacturing
- Warranty extended to 5 years\*

### Parking means recharging

Many electric car drivers charge their cars at home with their own charging station, because it is the most convenient, cost-effective, and safest form of recharging an electric vehicle. Charging with a wallbox is up to 10 times faster than a typical household plug socket and charging stops automatically as soon as the battery is full. At the same time, a wallbox is the safest and most careful solution for the vehicle battery.



### Award-winning charging station

Webasto Pure has been awarded the **Plus X Award 2019**, the most significant innovation award for technology, sports, and lifestyle.

\*Only available through participating Webasto dealers unless purchased directly from Webasto. Please check with your dealer.





Made in Germany

# Webasto Next

## The smart charging package

The ingenious Webasto Next charging station is full of possibilities for your everyday charging. In addition to useful basic functionalities, it can be controlled and managed digitally via web portal and app with its backend Webasto ChargeConnect. Through clever interfaces, the charging station can also be integrated into an energy management system to serve even demanding applications. Furthermore, the Webasto Next not only offers an attractive price-performance ratio, but is also always up to date thanks to regular over-the-air updates.

### Key facts at a glance:

- Scalable charging power up to 11 or 22 kW, choice of 4.5 or 7 m cable length
- Digital management of the charging stations via portal and app with the backend solution Webasto ChargeConnect
- Always online thanks to 24/7 real-time transmission of the wallbox data to Webasto ChargeConnect
- Authentication at the charging station using Scan & Charge and with the Webasto ChargeConnect App
- Energy management system (EMS) integration via Modbus TCP\*
- Local dynamic load management (stand-alone)\*\*
- Integrated meter module for energy consumption monitoring and reporting
- Future-proof with firmware updates over-the-air
- Clever product design with cable suspension and plug socket
- Cost savings for installation thanks to integrated DC residual current protection
- Remotely addressable by the grid operator via ripple control receiver to ensure grid stability
- User friendly configuration using an integrated configuration hotspot and Webasto Charger Setup App for installers



### Award-winning charging station

The connected charging station Webasto Next has been awarded the **Plus X Award 2021/2022** in the categories innovation, high quality, design and ease of use.

\* Compatible EMS: see compatibility list on our website.

\*\* Compatible Smart Meter: see compatibility list on our website.





# Webasto Unite

The intelligent charging station for your business

The fully connected Webasto Unite charging station opens up the benefits of electromobility to you in an efficient and demand-optimized way, making it perfect for your business. Thanks to dynamic load management and the option of integration into energy management systems, the Webasto Unite is particularly ideal for applications with complex requirement profiles. Via the Webasto ChargeConnect backend, any number of charging stations and users can be controlled and managed easily, clearly and intelligently via app and web portal. Important business applications, such as billing and reimbursement of charging processes, are made simple thanks to the integrated MID-compliant meter.

## Key facts at a glance:

- Scalable charging capacity up to 22 kW
- Charging socket (type 2) with shutter for charging cable
- Digital management and remote control with Webasto ChargeConnect (access via portal and app)
- Always online thanks to 24/7 real-time transmission of the wallbox data to Webasto ChargeConnect
- Authentication using RFID technology or Webasto ChargeConnect App
- Interface for Energy Management System (EMS) integration via Modbus TCP\*
- Integrated local dynamic load management\*\* for up to 32 charging points
- Integrated MID-compliant meter allows billing and refund of charging processes
- Meter window for easy reading of energy meter values
- Robust, high-quality housing meeting the Webasto quality and safety standards
- Cost savings for installation due to DC residual current protection
- Secured network stability by network operator using a ripple control receiver
- Userfriendly configuration using an integrated configuration hotspot and Webasto Charger Setup App or configuration interface for installers
- Eichrecht-conformal version in preparation (available from Q2/2023)

\* Compatible EMS: see compatibility list on our website.

\*\* Compatible Smart Meter: see compatibility list on our website.





## Your charging station: super simple

To ensure that your charging station fits perfectly into your everyday life, we offer digital services for smartphone and desktop in addition to the wallbox. So that you can charge easily without any worries.



# Webasto ChargeConnect

## Digital management of the Webasto charging station

**Always keep track of your Webasto Next or Webasto Unite. Thanks to Webasto ChargeConnect, you can access the current status of your charging stations, the entire charging history, your energy consumption and much more at any time and from anywhere.**

This is made possible by the practical solution Webasto ChargeConnect, the innovative backend from Webasto. The data from your charging stations is reflected in the Webasto ChargeConnect Portal and app, offering maximum transparency, control, and security. This makes Webasto ChargeConnect and the Webasto charging station the perfect tandem for an outstanding charging experience.

### Key facts at a glance:

- Starting and stopping charging sessions remotely
- Real-time status of all charging points
- Managing user permissions
- Maintenance and remote diagnostics
- Detailed overview of completed charging processes (charging history)
- Comprehensive monitoring functions
- Reservation management of charging stations
- Regular updates with new features for app and portal
- Use and management in different user levels depending on authorization
- High data security



# Webasto ChargeConnect App

## Your mobile companion

**With the Webasto ChargeConnect App, your Webasto charging station is just a tap away. You can access all current and past charging sessions, start and stop them digitally, and authorize other users for a charging point directly via the mobile application.**

# Webasto ChargeConnect Portal

## The digital web interface

**Webasto ChargeConnect is the perfect portal for the comprehensive management of several Webasto charging stations. In the clearly arranged web interface, you can digitally view, manage, and monitor all charging data 24/7.**







# Dynamic load management

Optimal charging without peak loads and blackouts

With the dynamic load management of the Webasto charging stations you not only save costs, it also helps you avoid peak loads and thus power outages. This is because it manages the total load within a system. The total available power as well as the power consumption of the building are taken into account. The optimal charging power for the connected electric vehicles is dynamically adjusted.

## Key facts at a glance:

- Efficient use of available energy
- Avoiding peak loads prevents high costs
- Numerous safety features such as overload protection
- No cost-intensive expansion of the grid connection necessary
- Interfaces for connecting external meters

## Webasto Next: stand-alone mode

The Webasto Next features dynamic load management stand-alone. This means that each charging station is individually connected with the smart energy meter of a building in order to use the total load in a demand-optimized way.

## Webasto Unite: cluster mode

Webasto Unite dynamic load management enables central control of up to 32 charging points in a cluster. In the process the available charging power is intelligently distributed among the electric cars. In order to build up the cluster, one Webasto Unite is defined as hub and distributes the available charging power intelligently among the connected satellites.



# Energy management

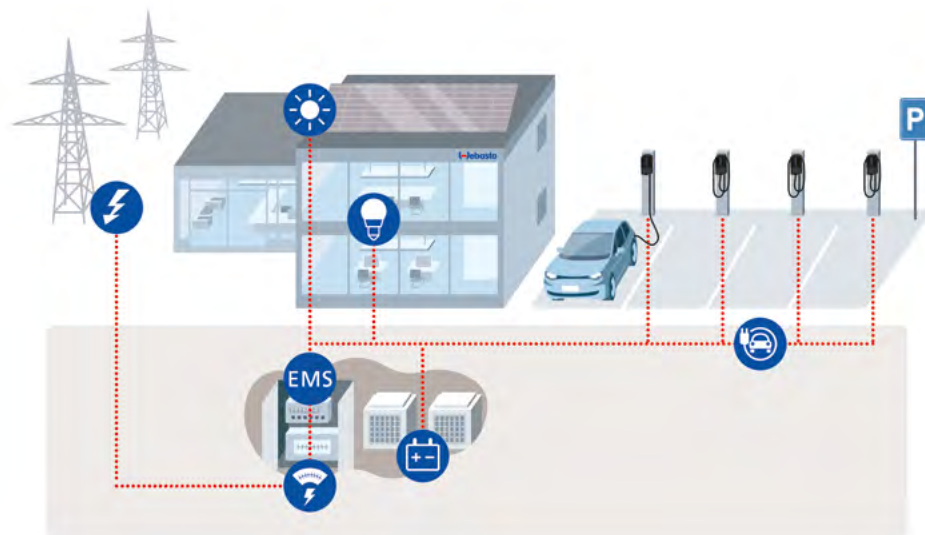
The interaction of electromobility and total load in the building

**Electricity and mobility will be connected in the future, because the installation of charging stations also means a new major consumer in the energy consumption of your building. But how can the energy consumption be controlled?**

An energy management system (EMS) can control all energy flows depending on the generation (PV), consumption or battery storage and thus regulate the total load centrally. The Webasto charging stations can be flexibly integrated into both commercial and private EMS\* thanks to their communication interfaces Open Charge Point Protocol (OCPP) and Modbus TCP. For example, excess power from the photovoltaic (PV) system can be used for the charging station. With just a few clicks, the installer can link the wallbox to the energy management system.

## Key facts at a glance:


- Own power consumption monitoring and optimization
- Intelligent charging with advanced power distribution
- High cost savings by avoiding peak loads
- PV-optimized charging
- Demand-oriented control of multiple consumers
- Interfaces for external electricity meters
- Connection to other smart devices



\* Compatible EMS: see compatibility list on our website.





An aerial photograph of a modern city skyline at sunset. The sky is filled with dramatic, colorful clouds in shades of orange, pink, and purple. In the foreground, a complex multi-level highway interchange with several overpasses is visible, with cars and buses moving through it. The city is densely packed with skyscrapers and modern buildings. On the left, a tall, dark building with a grid-like facade stands out. In the center, a large, rectangular building is illuminated by the warm light of the setting sun. To the right, a tall, slender skyscraper with a unique, angular top is prominent. The overall scene conveys a sense of a busy, sophisticated urban environment.

## Smart instead of complex

Because everyday life is already demanding enough: Whether for private use or your company, whether easy and quick or rather smart and connected – Webasto offers you the right charging station for your needs.



# Webasto Stands

Place your charging station anywhere

**The high-quality poles of Webasto boast a modern design, making them the best addition to your charging station.**

With the stands of Webasto, you can install one or two charging stations in your desired location, depending on your needs. The solid Webasto Stand gives your charging station maximum stability and makes your parking area modern looking. Thanks to its simplicity, the black Webasto Stand Slim is the perfect solution for domestic applications.



## Webasto Stand Solo & Duo

The Webasto Stand Solo is designed for mounting one or two Webasto charging station and impresses with the following benefits:

- Corrosion-resistant due to additional electrocoating and powder coating of the steel stand
- Safe operation thanks to earthed connection
- Easy installation due to separate cover
- Compatible with Webasto Pure and Webasto Next
- Mountable on a concrete foundation
- Scope of delivery: stand, screw kit, cover, operating instructions



Webasto Stand Solo & Duo

## Webasto Stand Slim Solo & Duo

The Webasto Stand Slim is designed for mounting one or two Webasto charging stations and impresses with these benefits:

- Ideal for domestic applications thanks to its simplicity
- Corrosion-resistant due to additional electrocoating and powder coating of the steel stand
- Safe operation thanks to earthed connection
- Easy Installation due to separate cover
- Suitable for all Webasto wallboxes
- Mountable on a concrete foundation
- Scope of delivery: stand, screw set, cover, installation instructions, mounting plates



Webasto Stand Slim Solo & Duo



# Mode 3 Charging Cable

## Charge on the go

The practical Mode 3 Charging Cable connects an electric car to a charging station with a type 2 connection. It enables charging on the go at public charging stations or those with a charging socket.

### Key facts at a glance:

- For all electric cars and plug-in hybrids with type 2 connectors
- Designed for charging capacity of up to 22 kW
- High charging capacity with three-phase charging cable
- VDE certification: the seal of approval for quality and safety
- 4.5m cable length guarantees flexible charging





# Professional installation

## Play it safe

**The powerful charging station is one thing, setting up the perfect charging infrastructure is another. This includes, above all, a professionally executed installation of your Webasto charging station, so that everything is really safe and working perfectly.**

No one site is like any other - at the beginning, the installer needs to check your location in order to provide you with an individual quote. This includes, for example, analyzing the existing electrical connections, the distance to the fuse box, or the maximum available charging power. Webasto collaborates with qualified partners for this purpose. They ensure that your charging station is checked for full functionality and is only handed over to you after this successful check.

### **Digital solutions for maximized safety:**

The electrician is guided during the installation process by the Webasto Charger Setup App to install the charging station easily, quickly and error-free. The installation protocol is then saved in the Webasto ChargeConnect backend and provides a detailed insight into the configuration at any time. This means that remote diagnostics can be carried out quickly in the case of any error messages.







## Your companion for everyday charging

Whether at the company parking lot or at home - any parking time can be used effectively. With the Webasto charging station your electric vehicle is charged comfortably, quickly and safely.



# Technical data sheets

## Webasto Pure

Technical specifications		
Electrical characteristics	Webasto Pure 11 kW	Webasto Pure 22 kW
Nominal current (A)	8, 10, 13, 16 Splitphase (L1+L2, without N) single phase, 2-phase or 3-phase	8, 10, 13, 16, 20, 25, 32 Splitphase (L1+L2, without N) single phase, 2-phase or 3-phase
Line voltage (V AC)	230 / 400 (Europe)	
Line frequency (Hz)	50	
Network forms	TT / TN (single- and 3-phase) / IT (single-phase)	
EMC class	Interference emission: Class B (residential, business, commercial areas) Interference resistance: residential, business, commercial areas	
Overvoltage category	III as per EN 60664	
Protection class	I	
Necessary protective equipment	Residual current circuit breaker RCD type A and miniature circuit breakers must be provided on the installation side	
Integrated protective equipment	≥6mA DC residual current detection	
Connections		
Mounting	Wall or stand mounting (permanently connected)	
Cable feed	Mounted on-wall or in-wall	
Connection cross-section (wire dimension)	Cross-section of the connecting cable (Cu) taking into account the local conditions and norms 6 mm² (for 16 A) 10 mm² (for 32 A)	
Charging cable with charging coupling	Type 2 cable according to EN 62196-1 and EN 62196-2; length of 4.5 m or 7 m, cable bracket integrated	
Output voltage (V AC)	230 / 400	
Max. Charging power (kW)	11	22
Feature		
Locking mechanism	Universal key switch	
Display	LED light bar (RGB), buzzer	
External control interface	Potential-free contact	
Mechanical data		
Product variant	Version II	
Dimensions (W x H x D) (mm)	225 x 447 x 116	
Weight (kg)	4,5 m cable length: 4,6 7 m cable length: 5,3	4,5 m cable length: 5,7 7 m cable length: 6,8
IP protection class, device	IP54	
Protection against mechanical impact	IK08	
Ambient conditions		
Operating temperature range (°C)	-30 to +55 (without direct solar radiation)	-30 to +45 (without direct solar radiation)
Storage temperature range (°C)	-30 to +80	
Permissible relative humidity (%)	5 to 95 non-condensing	
Altitude (m)	Max. 3,000 above sea level	
Certification		
Other standards and guidelines	– CE conformity – 2014 / 53 / EU Radio Equipment Directive – 2014 / 30 / EU EMV conformity – 2011 / 65 / EU RoHS Directive – 2001 / 95 / EC General Product Safety – 2012 / 19 / EU Waste Electrical and Electronic Equipment Directive – 1907 / 2006 REACH Regulation	

## Webasto Next

Technical specifications	
Electrical characteristics	
Nominal current (A) (configurable connected load values)	16 or 32 single phase or 3-phase The charging station is configurable in 1A steps
Line voltage (V AC)	230 / 400 (Europe)
Grid frequency (Hz)	50
Grid forms	TN / TT (single phase and 3-phase) IT (only single phase) Splitphase (L1+L2, without N)
EMV class	Emitted interference: Class B (residential, business, commercial areas) Immunity: Industrial areas
Overvoltage category	III as per EN 60664
Protection class	I
Necessary protective equipment	Residual current circuit breaker RCD type A and miniature circuit breakers must be provided on the installation side
Integrated protective equipment	DC residual current protection
Phase rotation	Automatic false phase-sequence detection
Connections	
Mounting	Wall and pole mounting (permanently connected)
Cable feed	Mounted on-wall or in-wall
Connection cross-section (wire dimension)	Cross-section of the connecting cable (Cu) taking into account the local conditions and norms: – rigid (min. – max.) 2,5 – 10 mm2 – flexible (min. – max.) 2,5 – 10 mm2 – flexible (min. – max.) with wire end ferrules: 2,5 – 10 mm2
Charging cable	Type 2 charging cable: up to 32 A / 400 VAC as per EN 62196-1 and EN 62196-2, Length: 4.5 m / 7 m
Output voltage (V AC)	230 / 400
Max. charging capacity (kW)	3.7 or 7.4 (1-phase operation) 11 or 22 (3-phase operation)
Communication & features	
Authentication	– “Scan & Charge” via QR code – Webasto ChargeConnect Portal – Webasto ChargeConnect App
Display	RGB-LEDs, buzzer
Network interfaces	– LAN (RJ45) – 10 / 100 Base-TX – WiFi 802.11b/g - 54 Mbit/s – WiFi hotspot
Communication protocols	Modbus TCP, OCPP 1.6 J (OCPP 2.0 ready) with Webasto ChargeConnect
External interfaces	- Addressable via ripple control receiver through dry contacts - Integration into energy management systems (EMS)*
Local load management	Dynamic (stand-alone) by integration of an external smart meter**
Mechanical data	
Dimensions (W × H × D) (mm)	225 x 447 x 116
Weight (kg)	11 kW: 4.6 (incl. 4.5 m cable) 5.3 (incl. 7 m cable) 22 kW: 5.7 (incl. 4.5 m cable) 6.8 (incl. 7 m cable)
IP protection class, device	IP54
Protection against mechanical impact	IK08
Ambient conditions	
Installation site	No direct solar radiation
Operating temperature range (°C)	11 kW: -30 to +55 22 kW: -30 to +45
Temperature behavior	A reduction in charging current or shutdown may occur in order to prevent the charging station overheating.
Storage temperature range (°C)	-30 to +80
Permissible relative humidity (%)	5 to 95 non-condensing
Altitude (m)	Max. 3.000 above sea level
Certification compatibility	
Standards and guidelines	– CE conformity – 2014/53/EU Radio Equipment Directive – 2011/65/EU RoHS Directive – 2001/95/EG General Product Safety – 2012/19/EU Waste Electrical and Electronic Equipment Directive – 1907/2006 REACH Regulation
Backend integration	Webasto ChargeConnect, 3rd party backend integration via Weabasto ChargeConnect in preparation
Tested compatible energymanagement systems (EMS)	Integration into various energy management systems (EMS) in preparation





# Webasto Unite

Technical specifications	
Electrical characteristics	
Nominal current (A) (configurable connected load values)	up to 32 single phase or 3-phase 10, 13, 16, 20, 25, 30, 32 A (configurable via DIP-switches) or in 1 A steps (via integrated WebUI or Webasto Charger Setup App)
Line voltage (V AC)	230/400 (Europe)
Grid frequency (Hz)	50/60
Grid forms	TT/TN/IT (single phase and 3-phase) Splitphase (L1 + L2, without N)
EMC class	Emitted interference: Class B (residential, business, commercial areas) Immunity: residential, business, commercial and industrial areas
Overvoltage category	III as per EN 60664
Protection class	I
Necessary protective equipment	Residual current circuit breaker RCD type A and miniature circuit breakers must be provided on the installation side
Integrated protective equipment	≥6 mA DC residual current protection
Integrated Energy Meter	MID conformal Class B (1%) energy meter according to EN50470-1/3 (511685A)
Welded relais detection	230 V contact to trigger an external shunt trip
Connections	
Mounting	Wall and pole mounting (permanently connected)
Cable feed	Mounted on-wall or in-wall
Connection cross-section (wire dimension)	Cross-section of the connecting cable (Cu) taking into account the local conditions and norms: – rigid (min. – max.) 2.5 – 10 mm²; – flexible (min. – max.) 2.5 – 10 mm²; – flexible (min. – max.) with wire end ferrules: 2.5 – 10 mm²
Charging Outlet	IEC 62196 Type-2 Socket Outlet with Shutter (5111685A)
Output voltage (V AC)	230/400
Max. charging capacity (kW)	7.4 (1-phase operation) 22 (3-phase operation)
Communication & features	
Backend	Webasto ChargeConnect
Authentication	– „Scan & Charge“ via QR-Code – Webasto ChargeConnect Portal – Webasto ChargeConnect App – RFID reader (ISO 14443 A/B and ISO 15693)
Display	RGB-LED, Meter display window
Network interfaces	– LAN (RJ45) – 10/100 Mbps – WiFi 802.11a/b/g/n/ac - 2,4 GHz and 5 GHz
Communication protocols	OCPP 1.6 J (OCPP 2.0 ready), Modbus TCP (EMS*), Modbus RTU (smart meter**)
External interfaces	– Addressable via ripple control receiver through dry contacts – Integration into Energy Management Systems (EMS) via Modbus TCP – Contact for welded relay protection – RS485 interface for external smart meters
Local load management	– Dynamic (stand-alone) via integration of a compatible external smart meter** – Dynamic (cluster with up to 32 charging points) via integration of a compatible external smart meter** – Static (cluster with up to 32 charging points)
Mechanical data	
Dimensions (W x H x D) (mm)	315 x 460 x 135
Weight (kg)	5
IP protection class, device	IP54
Protection against mechanical impact	IK10 (Display: IK08)
Ambient conditions	
Installation site	No direct solar radiation
Operating temperature range (°C)	-35 to +55
Temperature behavior	A reduction in charging current or shutdown may occur in order to prevent the charging station overheating.
Storage temperature range (°C)	-40 to +80
Permissible relative humidity (%)	5 to 95 non-condensing
Altitude (m)	Max. 4.000 above sea level
Certification compatibility	
Standards and guidelines	– CE conformity – 2014/53/EU Radio Equipment Directive – 2011/65/EU RoHS Directive – 2012/19/EU Waste Electrical and Electronic Equipment Directive – 1907/2006 REACH Regulation



# Webasto Stand Solo & Duo

Technical specifications	
Variant	Webasto Stand Solo (for mounting one charging station)
	Webasto Stand Duo (for mounting two charging stations)
Dimensions without bottom plate (W x H x D) (mm)	250 x 1497 x 120
Dimensions with bottom plate (W x H x D) (mm)	300 x 1505 x 190
Weight (kg)	19
Corrosion protection	IEC 60068-2-52 severity level 2
Material	Steel
Colour	Station: RAL 9007
	Cover: black RAL 9017
Compatible with the following charging stations	Webasto Pure, Webasto Next, Webasto Live

# Webasto Stand Slim Solo & Duo

Technical specifications	
Variant	Webasto Stand Slim Solo (for mounting one charging station)
	Webasto Stand Slim Duo (for mounting two charging stations)
Dimensions including mounting plate (W x H x D) (mm)	260 x 1500 x 150
Weight (kg)	20
Finish	2 layer coating (Electrophoretic and powder)
Corrosion resistance according salt spray test	ISO 9227 NSS with test duration 240 hours
Material	Steel
Colour	Signal Black: RAL 9004
Compatible with the following charging stations	Webasto Pure, Webasto Next, Webasto Unite and Webasto Live

# Mode 3 Charging Cable

Technical specifications	
Electrical characteristics	
Rated current (A)	up to 32
Rated voltage (V AC)	up to 480
Number of phases	3-phase
Charging power (kW)	up to 22
Standard	IEC 62196-2
Approval	VDE
Color	Black
Manufacturer	HARTING Deutschland GmbH & Co. KG





## Please contact us

Do you have questions about our Webasto charging stations?  
We are always here for you!

**E-Mail: [info@webasto.com](mailto:info@webasto.com)**

The Webasto Group is a global innovative systems partner to the mobility industry and one of the 100 largest suppliers to the automotive sector worldwide. The company's offering includes in-house developed roof, heating and cooling systems for various types of vehicles, batteries and charging solutions for hybrid and electric vehicles, and additional services related to thermal management and electromobility. Among the customers of Webasto are manufacturers of passenger cars, commercial vehicles and boats, as well as dealers and end customers. In 2021, the Group generated sales of 3.7 billion euros and employed around 15,700 people at over 50 locations. The headquarters of the company, which was founded in 1901, is located in Stockdorf near Munich (Germany). For more information please visit [www.webasto-group.com](http://www.webasto-group.com)