Easy Charging

With the Innovative Webasto Charging Solutions for Your Electric Car

Webasto
Feel the Drive

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 today.

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

Webasto Pure
## Pure Perfection

5 Years
Safety & Quality Guaranteed

Our best-selling Webasto Pure wallbox is now available with a new profile: the follow-up Webasto Pure (version II) makes life with an electric vehicle even easier thanks to its new features. Charge up your car at home quickly, easily, and safely – with your new favourite wallbox from Webasto. This premium charging station will satisfy even the more stringent quality and safety requirements with a 5 year warranty.

Key facts at a glance:

- **NEW** 5 years safety and quality guaranteed: In addition to the 2-year statutory warranty, we give a further 3-year Webasto guarantee for free
- **NEW** Cost savings for installation thanks to integrated DC residual current protection
- **NEW** Remote access by the grid operator is possible, to ensure grid stability
- Configurable charging capacity at various levels up to 22 kW
- Integrated type 2 charging cable with 4.5 m 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 (plug & play)
- Easy installation and fast start-up
- Made in Germany for high-quality manufacturing

Parking means recharging

Many electric car drivers recharge their cars at home with their own charging station. This has many benefits, as recharging at home 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.

+X

PLUS X AWARD

2019 achieved for:

High Quality

Design

Ease of Use

www.plusxaward.com
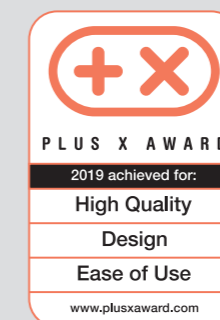
Award-winning charging station

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

Webasto Live
Experiencing Charging Live

With the smart Webasto Live charging station you can use the advantages of electromobility efficiently and demand-optimized, whether for your company or at home. Thanks to the connection of a suitable backend solution, your charging station is also intelligently connected. You always have your charging station under control and can monitor, manage and control your charging activities at any time digitally. Through regular online updates your charging station remains future-proof and meets in every respect the highest quality standards.

Key facts at a glance:

- Scalable charging capacity up to 22 kW, choice of 4.5m or 7m cable length
- For all electric cars and plug-in hybrids with type 2 connectors
- MID-compliant meter for recording charges
- Future-proof with software updates
- Plug & Charge ready (ISO 15118)
- Authentication at the charging station using RFID technology
- Integrated 4G modem for best coverage
- Easy configuration using Wi-Fi hotspot

- Connectivity by Webasto: Smart additional functions through connection of any backend via OCPP. 1.6, for digital control of Webasto Live
- Easy configuration using Wi-Fi hotspot
- Integration into energy management systems (EMS)
- Efficient use of the available charging capacity through local load management with up to 250 charging points
- Compatible with external meters
- "Made in Germany" for high-quality manufacturing

Award-winning charging station

Our Webasto Live won the **eMove360 Award** in the Charging & Energy category in 2019.

Dynamic Load Management
Intelligent Power Distribution With Simultaneous Charging

Webasto Live dynamic load management not only saves you money, it also helps you avoid peak loads and thus power outages. This is because it manages the phase-accurate control of the power load within a system. The total available power is adapted to the building's power consumption and the charging capacity is intelligently distributed to the connected electric cars. Dynamic load management is easy to set and control using the Webasto Live configuration interface. It is worth it if you have two or more linked Webasto charging stations at one site.

Key facts at a glance:

- Efficient use of available energy and distribution between the charging stations
- Central control of up to 250 charging points
- Phase-accurate control: automatic phase detection at the start of the charging process
- Avoiding peak energy loads prevents high costs
- Interfaces for connecting external meters

- Numerous safety features such as overload protection and delayed switching on the charging station following a power failure
- Convenient assignment of charging points (master or slave) using the configuration interface of the Webasto Live
- Flexibility when adding more charging points as each charging station can be configured as a master or slave
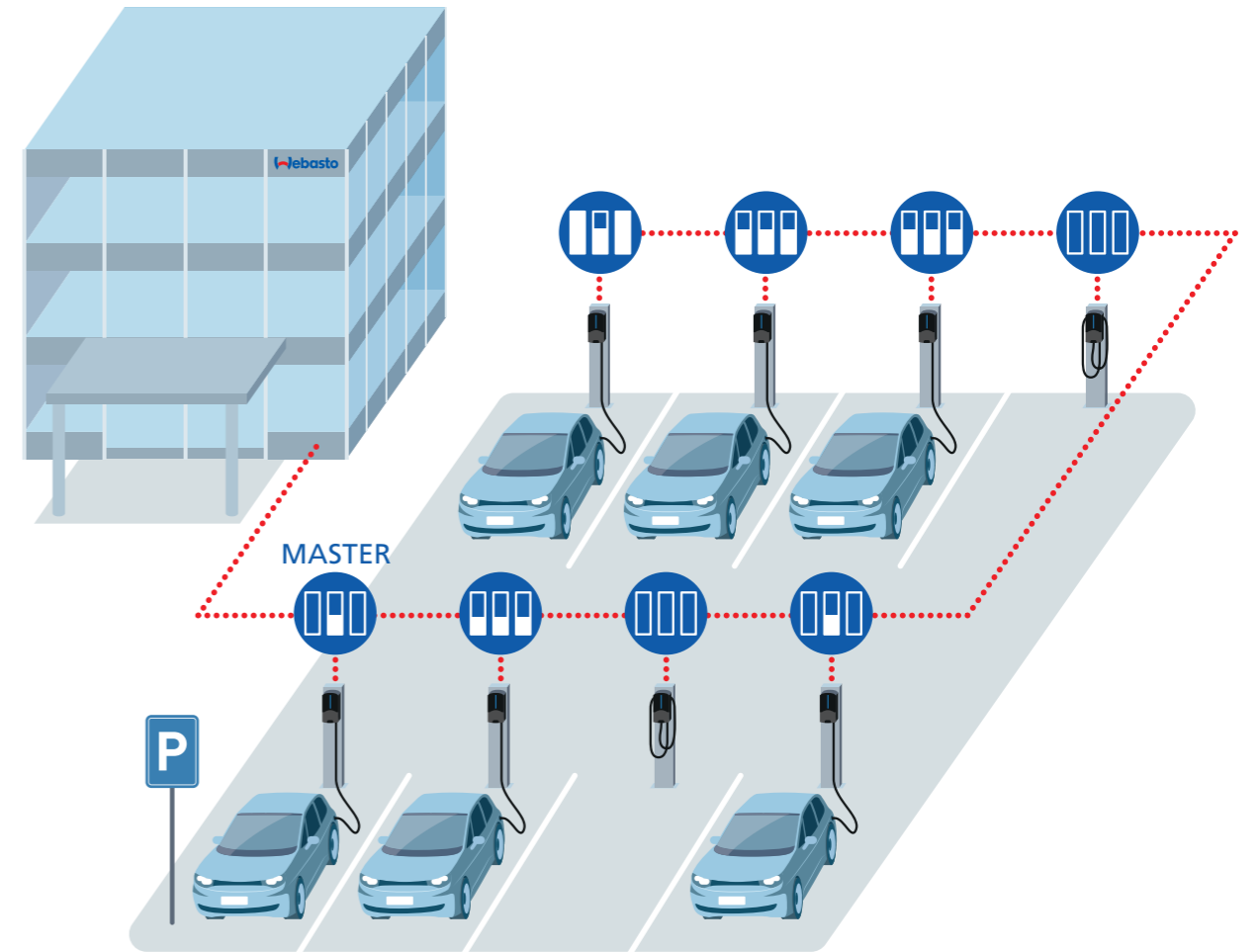
Energy Management
The interaction of e-mobility and building energy load

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 Live charging station can be flexibly integrated into both commercial and private EMS thanks to its Open Charge Point Protocol (OCPP) and Modbus TCP communication interfaces. For example, excess power from the 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 energy peak loads
- PV-optimized charging
- Demand-oriented control of multiple consumers
- Interfaces for connecting external meters and software

- Easy set up and control by using the Webasto Live configuration interface
- Management of diverse EMS parameter for controlling self-generated energy
- Compatible energy management systems: Beegy, Kiwigrid, TQ, Smart1, ChargePilot (TMH)
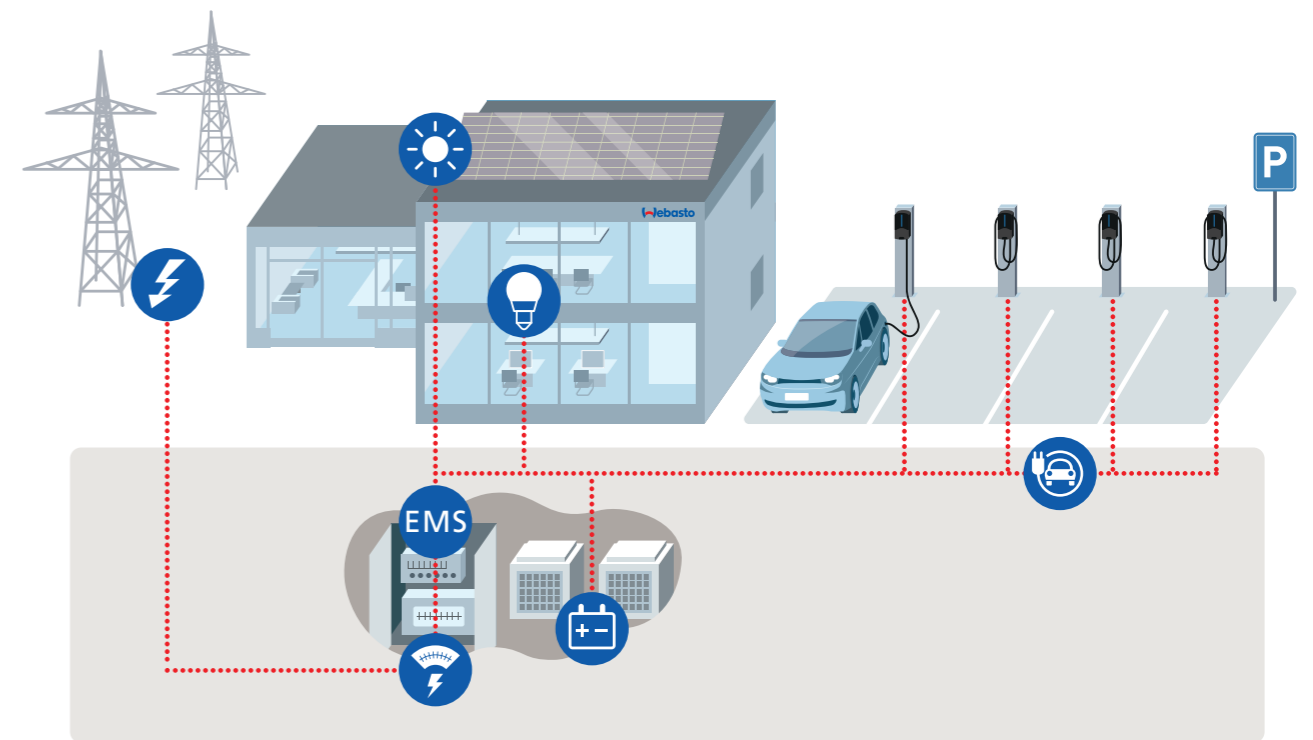
Smart Instead of Complex

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 Stand
Solo, Duo, Slim
Place Your Charging Station Anywhere

The high-quality poles of Webasto boast a modern design, making them the best addition to your charging station. You can use them to install every Webasto charging station wherever you choose.

With the massive stands Webasto Stand Solo and Duo, you can install one or two charging stations in your desired location, depending on your needs. The 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.

Key facts at a glance:

- Corrosion-resistant
- Safe operation via a ground connection
- Easy installation
- Can be installed on a concrete foundation
- Included: Stand, screw kit, cover, operating instructions

Mode 3 Charging Cable
Charge on the Go

The 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

Your Charging Station: Ideally Integrated

So that your new charging station fits perfectly into your infrastructure, we offer you all-round service, including site analysis and professional installation. So you can just charge without worries.

Installation
Play it Safe

You have decided on convenient charging with a Webasto charging station. The powerful charging solution is one thing; the perfect infrastructure is the other because it makes a significant contribution to convenient charging. This includes, above all, professional installation of your Webasto charging station, so that everything is safe and working correctly. Webasto collaborates with trained installation partners to ensure that your charging station is checked for full functionality and is only handed over to you after this successful check. Below you will find an installation and test protocol as well as a detailed introduction to the functions of your charging station.
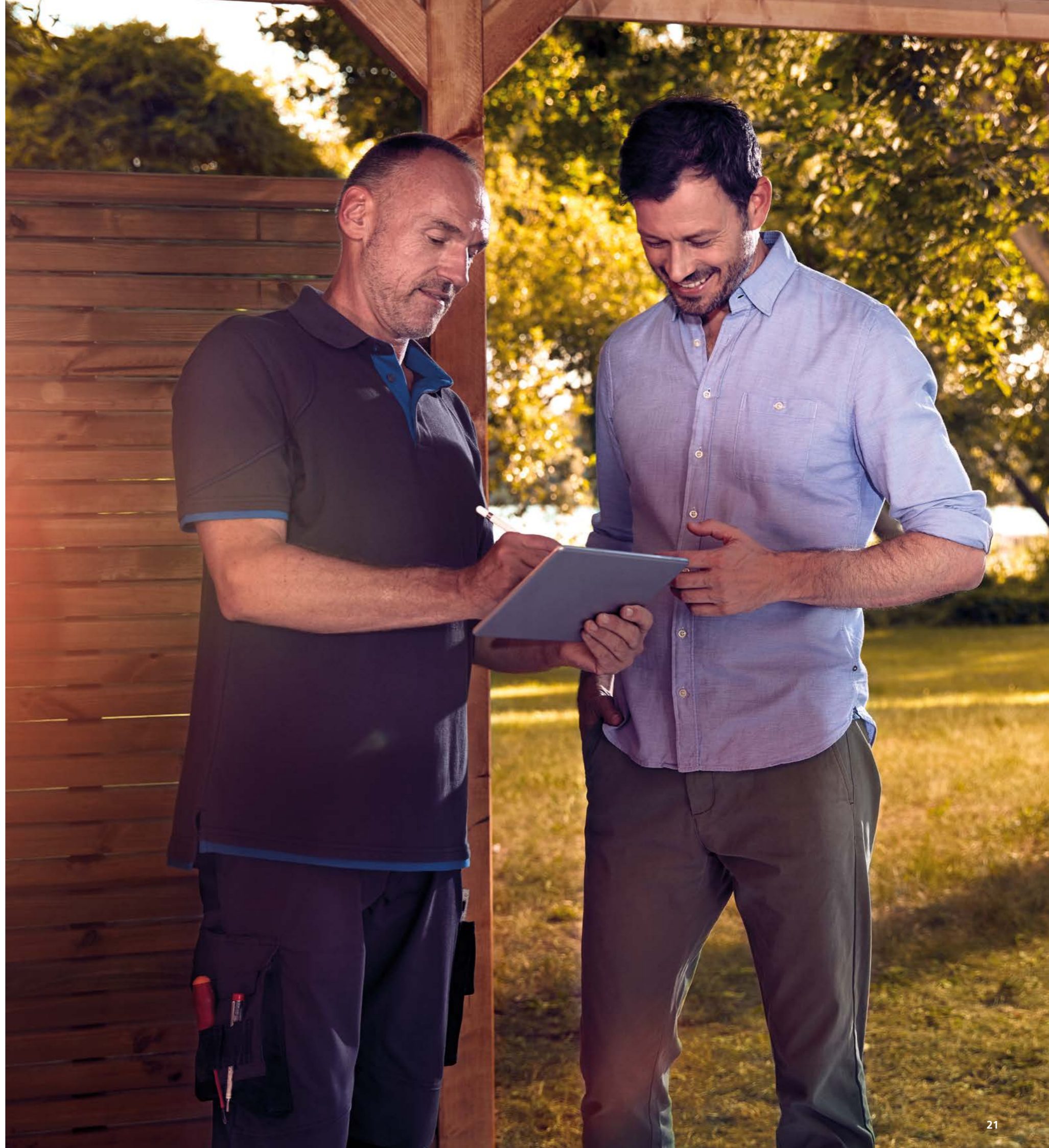
On-Site Analysis
A Good Preparation Is Key

No one site is like any other. Our specialized electrician can advise you best here: He checks the conditions on site in advance, such as the existing electrical connections, the distance to the fuse box, or the maximum available charging power. At the end of the site analysis, you receive detailed documentation and an individual cost estimate for the installation.

Professional Installation
Your Charging Station in the Best Hands

At another appointment, the electrician installs your charging station. After putting the charging infrastructure into operation, you receive detailed operating instructions. From now on you can charge your electric car quickly, easily and safely. We are always at your service via our customer service. Thanks to the 5-year warrenty for installation, Webasto guarantees worry-free everyday charging.

Your Companion for Work and Leisure

Whether at work or on holiday: The range of electric cars is getting bigger, and many destinations can now be reached electrically and sustainably completely without worries.

Technical Data Sheets

Webasto Pure (Version II)

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	
Protective equipment	Residual current circuit breaker RCD type A and miniature circuit breakers must be provided on the installation side	
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 up to 16 A/400 V AC; 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	12 RGB-LEDs, buzzer	
Mechanical data		
Dimensions (W × H × D) (mm)	225 x 447 x 116	
Weight (kg)	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 Live

Technical specifications	
Electrical characteristics	
Nominal current (A) (configurable connected load values)	16 or 32 3-phase or single phase
Line voltage (V AC)	230 / 400 (Europe)
Grid frequency (Hz)	50
Grid forms	TN / TT / IT (only single phase)
EMV class	Emitted interference: Class B (residential, business, commercial areas) Immunity: Industrial areas
Overvoltage category	III as per EN 60664
Protection class	I
Protective devices	Country-specific residual current circuit breakers and circuit breakers must be provided for installation on site
Integrated power meter	MID-compliant, accuracy class B as per EN 50470-3 / class 1 as per IEC 62053-21
Connections	
Mounting	Wall and base 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 or 10 mm² for 16 A and 10 mm² for 32 A
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 – Integrated cable bracket
Output voltage (V AC)	230 / 400
Max. charging capacity (kW)	11 or 22 (depending on the variant)
Communication & features	
Authentication	– RFID reader MIFARE DESFire EV1 and MIFARE Classic (ISO 14443 A / B) – "Plug & Charge" (ISO 15118)
Display	8 RGB-LEDs, buzzer
Network interfaces	– LAN (RJ45) – 10 / 100 Base-TX – WLAN 802.11b/g - 54 Mbit/s
Mobile communications	Slot for SIM card (form factor 3FF / Micro-SIM), integrated 4G modem (LTE)
Firmware	Version 5.11
Communication protocols	OCPP 1.6 J, Modbus TCP
Other interfaces	– Modbus (RS485) (for reading external power meters) – USB 2.0 type A (for servicing only) – USB 2.0 type B (for servicing only)
Plug & Charge	ISO 15118-1, ISO 15118-2
Local charge management	Up to 250 charging points, dynamic, adjustment with no phase delay
Mechanical data	
Dimensions (W × H × D) (mm)	225 x 447 x 116
Weight (kg)	4,4 - 6,8 (depending on the variant)
IP protection class, device	IP54
Protection against mechanical impact	IK08
Ambient conditions	
Operating temperature range (°C)	-25 to +40 (without direct solar radiation)
Temperature behavior	A reduction in charging current or shutdown may occur in order to prevent the charging station overheating.
Storage temperature range (°C)	-25 to +70
Permissible relative humidity (%)	5 to 95 non-condensing
Altitude (m)	Max. 2,000 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
Tested compatible backends	Webasto, Allego, Chargecloud, Cleanergy EV, Driivz, E-Flux, Everon, Greenflux, has.to.be, Last Mile Solutions, Mobility+, Optimile, SAP e-Mobility, Smartlab Ladenetz, Virta
Tested compatible energymanagement systems (EMS)	Beegy, Kiwigrid, TQ, Smart1, ChargePilot (TMH)

Webasto Stand Solo

Technical specifications	
Variant	Webasto Stand Solo (for mounting one charging station)
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

Webasto Stand Duo

| Technical specifications	
Variant	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

Webasto Stand Slim

Technical specifications	
Dimensions including mounting plate (W × H × 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

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 26.6
Standard	IEC 62196-2
Approval	VDE
Color	Black
Manufacturer	HARTING Deutschland GmbH & Co. KG
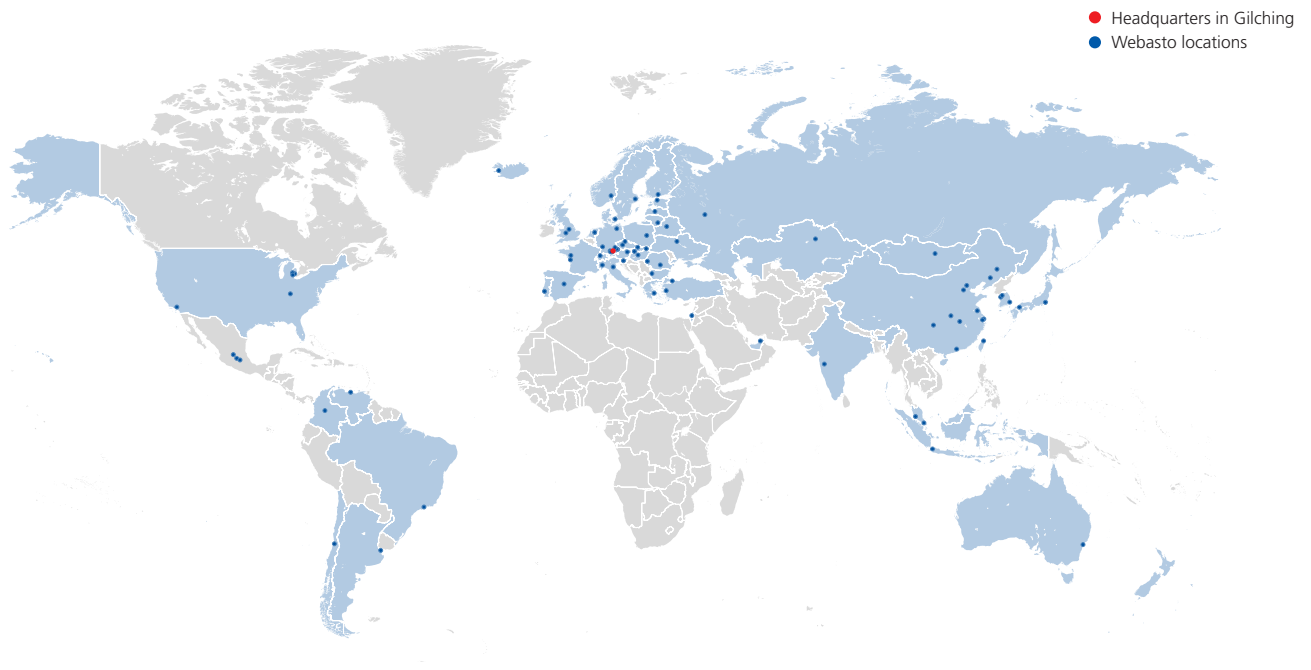
The Webasto Group is a global innovative systems partner to almost all automobile manufacturers and among the top 100 suppliers in this industry sector. The company's product portfolio comprises a broad range of roof and heating systems for every type of vehicle and all drive types as well as battery systems and charging solutions. Moreover, Webasto has a strong position in the aftermarket providing dealers and end customers with customized solutions and services relating to thermo management and electromobility. In 2018 the company generated sales of 3.4 billion euros and had over 13,000 employees at more than 50 locations (with over 30 of these being manufacturing plants). The headquarters of the company, founded in 1901, is located in Stockdorf near Munich (Germany).

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