Webasto Next
Incl. Webasto ChargeConnect

Made in Germany

447 mm

Wallbox t = 116 mm
incl. installation level

225 mm

PLUS X AWARD
2021/2022 | Achieved for:
Innovation
High Quality
Design
Ease of Use
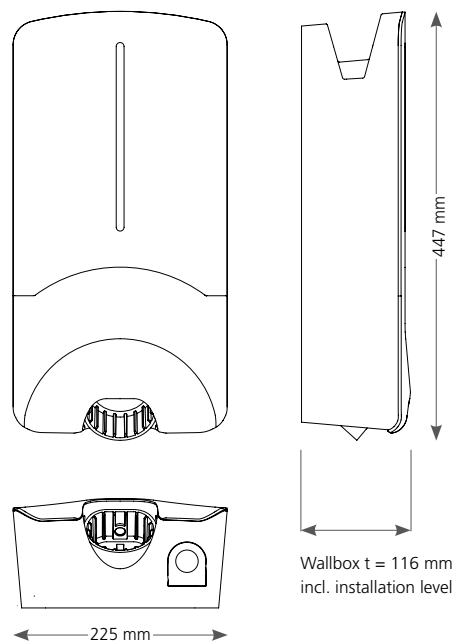www.plusxaward.com

The Webasto Next boasts the following features:

- Scalable charging power up to 11 kW or 22 kW, choice of 4.5 m or 7 m cable length
- Digital management of the charging stations via portal and app with the Webasto backend solution Webasto ChargeConnect
- Always online thanks to 24/7 real-time transmission of the wallbox data to Webasto ChargeConnect via OCPP 1.6 J
- Authentification at the charging station using Scan & Charge with the Webasto ChargeConnect App
- Webasto ChargeConnect offers the highest level of data security (GDPR) and cyber security
- Energy management system (EMS) integration via Modbus TCP*
- Local dynamic load management (stand-alone)**
- Integrated meter module for recording charges for energy consumption monitoring and reporting (with back-end connection)
- 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 Wi-Fi hotspot and Webasto Charger Setup App for installers

* Compatible EMS: See compatibility list on our website.
** Compatible smart meter: see compatiblity list on our website.

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: 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
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 – WLAN 802.11b/g - 54 Mbit/s – WLAN 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 cablel) 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

* Compatible EMS: See compatibility list on our website.
** Compatible smart meter: see compatiblity list on our website.

08/22 • Errors and omissions excepted • Printed in Germany • © Webasto Thermo & Comfort SE 2022

charging.webasto.com