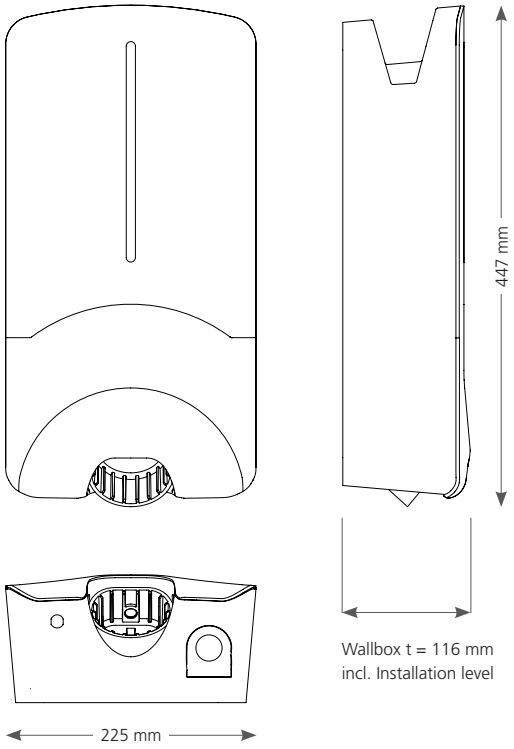
Webasto
Feel the Drive

# Webasto Live Charging Solution

Hardware | Installation | Service | Connectivity


**Webasto Live offers the following benefits:**

- Power Outpuut from 3.7 kW to 22 kW
- Optionally with 4.5m or 7m cable
- Type 1 (only up to 7.4 kW) and Type 2
- Cost-effective installation thanks to integrated DC-fault detection (≥ 6mA)
- Future-proof by supporting ISO standard 15118 („Plug & Charge“)
- Upgrade to OCPP 2.0 for advanced control commands and compatibility with all commercially available back-ends possible
- Maximum security for RFID with DESFire support
- Integrated 4G-modem for strong signal and high data transfer rates
- Local load management for up to 250 chargepoints, phase-accurate control
- Support of solar and tariff optimized charging through dynamic adjustment of charging power
- High quality „Made in Germany“

## Technical specifications

| | |
|---|---|
| **Electrical characteristics** | |
| Nominal current (A) (configurable connected load values) | 16 or 32<br>3-phase or single phase |
| Line voltage (Europe) | 230 V 1NAC<br>230/400 V 3NAC |
| Grid frequency (Hz) | 50/60 |
| Overvoltage category | III in accordance with EN 60664 |
| Protection class | I |
| RCD | RCD $I_N$ = 30 mA Typ A |
| Residual current protective device | 6 mA RDC-MD |
| Integrated electricity meter | MID-compliant, accuracy class B according to EN50470-3 / class 1 according to IEC62053-21 |
| **Connections** | |
| Cable feed | On-wall or in-wall mounted |
| Connection cross section (wire dimension) | The minimum cross section for a standard installation is<br>– depending on the cable and the type of installation<br>– 6mm² (for 16A) and 10mm² (for 32A) |
| Connection technology | IEC 62196-2 |
| Power supply terminal | Connection line:<br>– rigid (min. – max): 2.5 – 16 mm²<br>– flexible (min. – max): 2.5 – 16 mm²<br>– AWG [American norm for cable gauge] (min.-max): 13 – 6<br>– flexible (min. – max) with wire end ferrule: 2.5 – 10/2.5 – 10 mm² |
| Cable | Type 1 charging cable: up to 32 A / 250V AC according to EN 62196-1 and EN 62196-2<br>Type 2 charging cable: up to 32 A / 400 VAC according to EN 62196-1 and EN 62196-2<br>Length 4.5 m / 7 m - integrated cable holder |
| Output voltage (V) | 230/400 VAC |
| Max. charging capacity (kW) | 3,7 - 22 (adjustable) |
| **Communiacation & Functions** | |
| Locking mechanism | RFID-reader – supported chipsets for MIFARE DESFire EV1 and MIFARE Classic (ISO 14443 A / B) „Plug & Charge“ (ISO 15118) |
| Display | 8 RGB LEDs<br>Buzzer |
| Network interfaces | LAN (RJ45) - 10/100 Base-TX<br>WLAN 802.11b / g - 54 Mbps |
| Mobile | Slot for SIM-card (form factor 3FF / Micro-SIM)<br>integrated 4G-modem (LTE) |
| Other interfaces | Modbus (RS485) - push-in<br>USB 2.0 Type A<br>USB 2.0 Type B |
| OCPP | Version 1.6 (upgrade to OCPP 2.0 in 2019) |
| Plug & Charge | ISO 15118-1 / ISO 15118-2 |
| Local load management | Up to 250 chargepoints, dynamic, phase-accurate control |
| Solar / tariff optimized charging | Supports |
| **Mechanical Data** | |
| Dimensions (W x H x D) (mm) incl. Installation level | 225 x 447 x 116 |
| IP protection class | IP54 |
| Protection against mechanical impact | IK08 |
| **Ambient Conditions** | |
| Operating temperature range (°C) | -25 to +55 (without direct solar radiation) |
| Temperature behavior | Within the operating temperature range, the charging current is permanently available posed. If the temperature is exceeded, the charge current specification will increase gradually 16 amps reduced, it can also come to shutdowns.<br>After a waiting period, the charging process is automatically restarted |
| Storage temperature range (°C) | -25 to +70 |
| Absolute relative humidity (%) | 5 to 95 non-condensing |
| Cooling system | Passive |
| Altitude (m) | Max. 2,000 above sea level |
| **Certifications Compatibility** | |
| Other standards and guidelines | CE, IEC-EN 61851-1 / 61851-22, RoHS, REACH |
| Audited OCPP back-ends | Allego, has.to.be, Fortum, Bouygyes, Virta, ChargeCloud, Ladenetz, ChargeIT, NTT, Driivz, new motion, Vattenfall, Char.gy |



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