

Wallbox ABL Pulsar Pro

Charging station with charging socket
22 kW

The ABL Pulsar Pro with charging socket is the latest wallbox in the Pulsar family, developed for the housing industry and semi-public areas. With a charging power of 22 kW, it enables fast and efficient charging processes.

EXTENDED FUNCTIONALITY

The Wallbox ABL Pulsar Pro offers advanced features that make it an ideal solution for shared charging infrastructures with up to 100 charge points. An integrated RFID reader ensures secure authentication on-site; alternatively, the charging process can be authorised via the Wallbox app. In addition to the 4G module for a fast and stable mobile connection via LTE, the Wallbox ABL Pulsar Pro also offers the option of setting up external communication via Ethernet, Wi-Fi and Bluetooth.

MAXIMUM CONTROL








Thanks to internal charge monitoring with a measurement accuracy of 2% and static load management, the Wallbox ABL Pulsar Pro enables precise billing of charging processes and reliable control of the power delivered. Dynamic load management can also be set up in combination with the optionally available energy meters. For efficient operation with a PV system, the Wallbox ABL Pulsar Pro offers automatic switching from 3-phase to 1-phase operation.

FLEXIBILITY AND SECURITY

The Wallbox ABL Pulsar Pro complies with protection class IP55, is certified for the highest impact resistance rating IK10 and guarantees reliable operation thanks to the integrated DC fault current detection. In conjunction with the optional Eiffel adapter plate, the optional Eiffel mounting pole is designed for outdoor installation, with the optional Eiffel weather shield providing additional protection against environmental conditions.



PRODUCT ADVANTAGES

-  Backend/OCPP connection via LTE, LAN or WLAN
-  Group installation with up to 100 charge points
-  Setup and monitoring via Wallbox app
-  Automatic phase switching
-  Dynamic load management via Energy Meter Pulsar
-  Company car driver billing via MID Meter Pulsar
-  IP55 and IK10

GENERAL INFORMATION

| | |
|-----------------------|---|
| Model range | Wallbox ABL Pulsar Pro |
| Commodity code | 8436607547716 |
| Packaging unit (PU) | 1 unit |
| Dimensions PU (H×W×D) | 400 × 400 × 200 mm |
| Weight PU | Approx. 6.5 kg |
| Items supplied | Wallbox, printed safety instructions, installation kit, user information, RFID card |

INPUT / MAINS SUPPLY

| | |
|-----------------------|---|
| External power supply | Supply cable with cable cross-section up to a maximum of 13 mm ² or cable diameter ≤ 22 mm |
| Rated voltage | 230 / 400 V |
| Rated current | 32 A (3-phase) |
| Rated frequency | 50 / 60 Hz |
| Upstream fuse | RCD type A required on site (in accordance with local regulations) |
| Connection | Direct connection to the terminal block |

OUTPUT / VEHICLE CONNECTION

| | |
|--|--|
| Charging port in acc. with IEC 62196-2 | Lockable type 2 charging socket with shutter |
| Output voltage | 230 / 400 V |
| Maximum charging current* | 32 A (3-phase), configurable from 6 A to rated current |
| Maximum charging power (3-phase) | 1 × 22 kW |

PROTECTION / INTEGRATED COMPONENTS

| | |
|-------------------------------|---|
| DC fault current detection | Electronic, $I_{\Delta n.d.c.} \geq 6 \text{ mA}$ |
| Additional protective devices | Optional external shunt (welding shut down) |
| Internal metering | Class A equivalent (error ≤ 2%), factory calibrated |
| Cybersecurity | Tamper detection, secure update, secure boot, secure storage & encrypted communications |
| Energy management system | Static load management |

COMMUNICATION / INTERFACES

| | |
|-----------------------------------|---|
| Charging status indication | Halo LED (RGB), Wallbox App & Portal |
| User interface | Wallbox App & Portal |
| User identification | Wallbox App & Portal, RFID, NFC (HW ready) |
| Communication EV | In acc. with IEC 61851-1 Mode 3 |
| Connectivity | Wi-Fi, 4G, Ethernet, Bluetooth |
| External communication interfaces | OCPP, partner API and SDK |
| External release contact | Potential-free contact in accordance with VDE-AR-N 4100 |

STANDARDS / DIRECTIVES

| |
|--|
| IEC 61851-1 IEC 61851-21-2 |
| RED Directive 2014/53/EU RoHS Directive 2011/65/EU UK Smart Charging Regulations |
| VDE-AR-N 4100 (DACH market only) |

OPERATING CONDITIONS

| | |
|--------------------------------|---------------------------|
| Storage temperature | -40 to 70°C |
| Operating temperature* | -30 to 50°C |
| Relative humidity | 5 to 95%, no condensation |
| Class of protection | I |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Degree of protection (housing) | IP55 |
| Impact strength | IK10 |
| Maximum elevation | ≤ 2,000 m AMSL |

* The charger will operate at full capacity up to 40°C. Above 40°C, derating may apply.

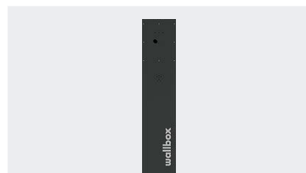
HOUSING

| | |
|----------------------------|---|
| Type | Wall-mounted housing |
| Fixing type | Wall mounting using wall plate and installation kit |
| Material (housing / cover) | Plastic |
| Colour (housing / cover) | Black |
| Dimensions (H×W×D) | 313 × 204.3 × 142.5 mm |
| Weight (net) | Approx. 2.5 kg |

MODEL OVERVIEW

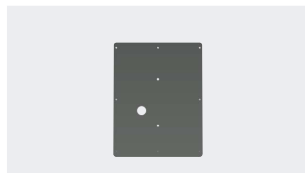
| | Product number | Manufacturer number | EAN number |
|---------------------------------|----------------|---------------------|---------------|
| Pulsar Pro with charging socket | 100000690 | PPR2-W-2-4-A-AB2 | 8436607547716 |

ACCESSORIES

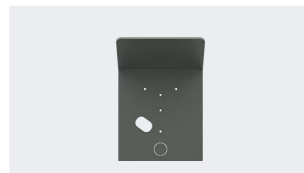


Eiffel (Pulsar)

100000776

Eiffel adapter plate
(Pulsar Pro Socket)

100000778

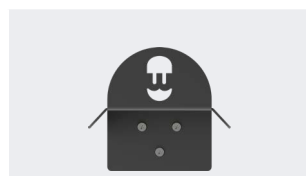
Eiffel
weather shield

100000779



Type 2 plug holder

100000780



Charging cable holder

100000781



Energy Meter Pulsar

100000450



MID Meter Pulsar

100000495



Energy Meter 250 A Kit

100000679

Type 2 charging cable
(various cable lengths)

CC2010, [...], CC3275

Type 2 to Type 1
adapter cable

LAKK2K1



RFID key fob

100000253

PRODUCT DIMENSIONS



Subject to change: All performance characteristics, technical and other specifications are subject to change without prior notice.