

Pulsar Pro (MID)

Charging station with charging socket
22 kW

The Pulsar Pro with charging socket is the latest wallbox in the Pulsar family, specifically engineered for use cases requiring legal metrology accuracy and future-proof vehicle communication. With a charging power up to 22 kW, it ensures rapid and highly efficient charging processes, making it the ideal solution for company cars, corporate fleets, and managed charging infrastructures where automatic reimbursement and regulatory compliance require highly reliable and accurate measurements.

REGULATORY COMPLIANCE AND TRUSTED BILLING

The Pulsar Pro integrates a certified MID meter, ensuring the highest standard of measurement accuracy required for legal metrology and reliable tax reimbursement for employees. Furthermore, it implements ISO 15118.

AUTOMATED REPORTING FOR REIMBURSEMENT







The Pulsar Pro offers advanced features optimized for the company car use case. A dedicated function within the Wallbox App allows for the automatic generation and export of charging reports specifically designed for expense reimbursement. These reports can be generated in multiple formats (PDF, CSV) and automatically sent to a designated recipient, such as a company's HR or accounting department, simplifying the administrative process for both the employee and the employer.

MAXIMUM CONTROL AND EFFICIENCY

Thanks to the integrated MID meter and static load management, the Pulsar Pro enables precise, legally metrological billing of charging processes and reliable control of the power delivered. Dynamic load management can also be set up in combination with optionally available energy meters for site optimization. For efficient operation with a PV system, the Pulsar Pro offers automatic switching from 3-phase to 1-phase operation.



PRODUCT ADVANTAGES

-  Company car driver billing via integrated MID Meter
-  Backend/OCPP connection via LTE, LAN or WLAN
-  Phase switching for solar energy optimisation
-  Dynamic load management via Energy Meter Pulsar
-  Automatic charge report export via Wallbox app
-  IP55

GENERAL INFORMATION

| | |
|-----------------------|---|
| Model range | Pulsar Pro |
| Commodity code | 85371091 |
| 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 & 1-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 |
| Maximum charging power (1-phase) | 1 × 7,4 kW |

PROTECTION / INTEGRATED COMPONENTS

| | |
|-------------------------------|---|
| DC fault current detection | RDC-DD according to IEC 62955 (6 mA DC) |
| Additional protective devices | Optional external shunt (welding shut down) |
| Internal energy meter | MID compliant |
| Cybersecurity | Tamper detection, secure update, secure boot, secure storage & encrypted communications |
| Energy management system | Static load management, prepared for dynamic load management in combination with energy meter accessories (see "Accessories" on page 4) |

COMMUNICATION / INTERFACES

| | |
|-----------------------------------|--|
| Charging status indication | Halo LED (RGB), Wallbox App & Portal |
| User interface | Wallbox App & Portal |
| User identification | Wallbox App & Portal, RFID, NFC (Hardware 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 (DACH market only) |

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) |
| ISO 15118 |
| IEC 62955 |

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 |
| Pollution degree | 3 |
| Degree of protection (housing) | IP55 |
| Maximum elevation | ≤ 2,000 m AMSL |

* Derating may apply.

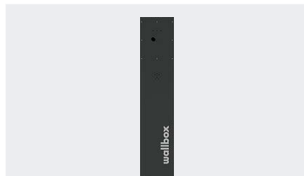
HOUSING

| | |
|----------------------------|---|
| 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

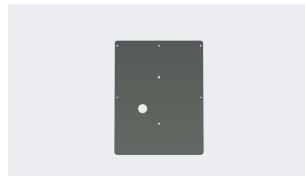
| | Phase system | Customer Code | Product number | EAN number |
|------------|--------------|------------------|----------------|---------------|
| Pulsar Pro | 3-phase | PPR3-W-2-4-Y-002 | 100000827 | 8436607549635 |

ACCESSORIES



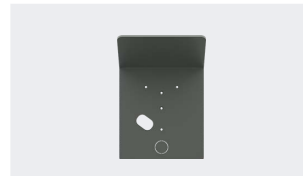
Eiffel

PED-EIF-PLP1
100000776 *



Adapter plate
(socket versions)

PED-EIF-ADP-PSP1
100000778 *



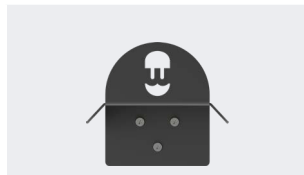
Rain cover

PED-EIF-COVER
100000779 *



Cable dock

CBLDOCK-T2-B
100000780 *



Cable holder

HLD-B
100000781 *



Three Phase Power Meter

MTR-3P-65A
100000450 *



Three Phase Clamp
Power Meter

MTR-3P-250A-CLP
100000679 *



RFID key fob

100000253 *



RFID cards
(10 cards/bundle)

RFID-10



RFID cards
(25 cards/bundle)

RFID-25



RFID cards
(50 cards/bundle)

RFID-50

* Product numbers for DACH market only

PRODUCT DIMENSIONS



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