

Pulsar Max

Charging station with fixed charging cable or charging socket
Up to 22 kW

The Pulsar Max is the intelligent charging solution for modern residential and home environments, fully compliant with ISO 15118 and AFIR standards meeting the latest regulatory requirements. Evolving the popular Pulsar design, it combines enhanced security and reliable connectivity in a compact footprint. Available in both tethered and socket versions, it minimizes daily energy consumption while charging your electric vehicle as efficiently as possible.

SIMPLE INSTALLATION AND OPERATION

Thanks to its compact dimensions and simple installation, the Pulsar Max is ready to use straight away. The integrated RFID reader provides a secure and convenient way to authorize charging sessions, making it ideal for shared or multi-user installations in condominiums and private parking areas.

CONNECTIVITY AND ACCESS CONTROL

Connectivity is simple and reliable. The newly added wired Ethernet (LAN) connection ensures stable communication for continuous monitoring and management and is perfect for installations where a reliable Wi-Fi is a problem. Wireless communication via WLAN and Bluetooth is also available, allowing users to easily adjust and monitor the operating parameters to suit their requirements using the free Wallbox app.

INTELLIGENT LOAD MANAGEMENT

When used with the optional Energy Meter Pulsar, the Pulsar Max offers various energy management solutions. The Solar charging mode makes efficient use of a PV system, dynamic load management ensures the maximum possible charging power while respecting the overall current limit in the domestic power distribution. Automatic phase switching can be used to optimize the use of the available charging current.



PRODUCT ADVANTAGES

-  ISO 15118, AFIR compliant
-  Integrated RFID Reader for secure access control
-  Available in both Socket and Tethered (fixed cable) versions
-  Backend/OCPP connection via LAN or WLAN
-  Setup and monitoring via Wallbox app
-  Automatic phase switching
-  Dynamic load management via Energy Meter Pulsar

GENERAL INFORMATION

Model range	Pulsar Max
Commodity code	85371091
Packaging unit (PU)	1 unit
Dimensions PU (H×W×D)	Tethered: 400 × 400 × 200 mm Socket: 400 × 300 × 200 mm
Weight packing unit	Tethered: approx. 5.8 kg Socket: approx. 4 kg
Items supplied	Wallbox, installation kit, RFID card, printed safety instructions, Cable dock (only Tethered version)

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 protections	Electrical protections shall be selected and installed in accordance with local regulations
Connection	Direct connection to the terminal block

OUTPUT / VEHICLE CONNECTION

Connection system	LTethered: single charging cable of 5 m with type 2 connector Socket: lockable type 2 charging socket with shutter. Both charging ports in acc. with IEC 62196-2
Output voltage	230 / 400 V
Maximum charging current	32 A (3-phase), configurable from 6 A to rated current via app or internal rotary switch during installation
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	Welding detection, no charging possible when the relay is welded
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, 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	App
User identification	Wallbox App & Portal, RFID, NFC (Hardware ready)
Communication EV	In acc. with IEC 61851-1 Mode 3
Connectivity	WLAN, Bluetooth, Ethernet
Supported protocols for external systems	OCPP 1.6, 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 IEC 62955
RED Directive 2014/53/EU RoHS Directive 2011/65/EU UK Smart Charging Regulations
IEC 61439-7
VDE-AR-N 4100

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
Impact strength	IK09

** 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)	Tethered: 201 × 198 × 99 mm (housing base without charging cable) Socket: 313 × 204.3 × 142.5 mm
Weight (net)	Tethered: approx. 4.16 kg Socket: approx. 2.5 kg

MODEL OVERVIEW

	Phase system	Customer Code	Part number*	EAN number
Pulsar Max Tethered	1-phase	PLP5-0-2-2-U-002	-	-
	3-phase	PLP5-0-2-4-U-002	100000825	8436575270388
Pulsar Max Socket	3-phase	PLP5-W-2-4-U-002	-	8436575270395

ACCESSORIES



Single Phase Power Meter

MTR-1P-100A-G2



Single Phase Clamp Power Meter

MTR-1P-100A-CLP-G2



Three Phase Power Meter

MTR-3P-65A

100000450 *



Three Phase Clamp Power Meter

MTR-3P-250A-CLP

100000679 *



Single Phase MID Meter

MID-1P-100A



Three Phase MID Meter

MID-3P-65A

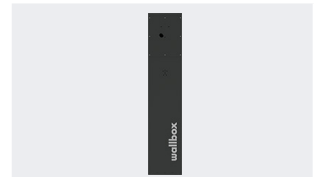
100000495 *



Eiffel Basic | Basic Dual

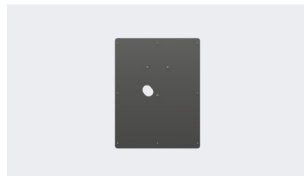
PED-EIFBS-MONO-V2 |
PED-EIFBS-DUAL-V2

100000450 *



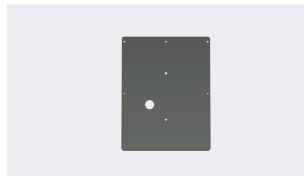
Eiffel

PED-EIF-BASE



Adapter Plate/Option 1***
(Eiffel only)

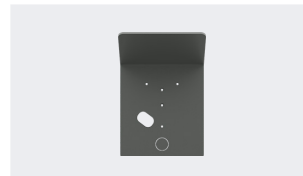
PED-EIF-ADP-OPT1



Adapter Plate/Option 2***
(Eiffel only)

PED-EIF-ADP-OPT2

100000778 *



Rain cover *** (Eiffel Basic
| Basic Dual only)

PED-EIF-COVER

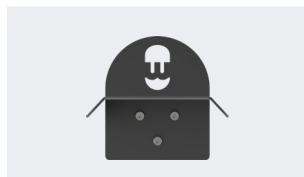
100000779 *



Cable dock

CBLDOCK-T2-B

100000780 *



Cable holder

HLD-B

100000781 *



Cable holder

HLD-W



RFID key fob

100000253 *



RFID cards
(10 | 25 | 50 cards/bundle)

RFID-10 | RFID-25 | RFID-50

* Product numbers for DACH market only | ** Adapter Plate / Option 2 required for Socket variants | *** Only for tethered variants

PRODUCT DIMENSIONS

Pulsa Max Tethered



Pulsa Max Socket

