

Pulse 100-400 Charging terminal



SCALABILITY
INNOVATION
SIMULTANEOUS CHARGE



Scalability

The Pulse 400 charging station has been designed to be scalable. The terminal can initially deliver 100 kW and then accommodate additional modules to reach a maximum power of 400 kW.



Innovation

The Pulse 400 charging station complies with the latest communication standards and metrological requirements. Equipped with a touch screen, it has been designed to facilitate charging for users.



Simultaneous charging

Thanks to a modular design, the Pulse 400 terminal can deliver from 80 kW to 200 kW simultaneously at each charging point.

Pulse 100-400

+ PRODUCT

- Scalable from 100 kW to 400 kW
- Simultaneous charging of up to 3 vehicles (2 x DC + 1 x AC)
- Compatible with ISO 15118 PLUG&CHARGE and SMARTCHARGING
- Payment solution Credit card
- Color touch screen
- Meets metrological requirements
- Easy access for maintenance



TECHNICAL CHARACTERISTICS

USER EXPERIENCE

- Ultra-durable 10-inch color touch screen
- 4 languages available as standard
- MIFARE ISO14443A and 14443B RFID badge reader
- Credit card reader available as an option

CABLES

- Choice of 2 DC cables: COMBO 2 / CHAdeMO
- Useful length of cables in standard 5 m
- Cable return system
- 1 x Type 2S (standard electric vehicles) plug optional

ELECTRICAL COMPONENTS

- Differential protection type B 40A 30 mA for T2 socket
- Integrated three-phase circuit breaker
- 1 surge arrester
- 1 optional emergency stop
- 1 general disconnect switch
- Heating with a dedicated power supply

MEASUREMENT

- 1 AC MID meter
- 1 DC meter certified by LNE via optional DC cable

COMMUNICATION/SUPERVISION

- OCPP 1.6 JSON scalable 2.0
- 4G router
- ISO 15118 PLUG & CHARGE

DIMENSIONS (HxWxD) mm

- Without the cables: 2055 x 746 x 950 mm



TECHNICAL SPECIFICATIONS

Input voltage & current:

- Nominal voltage (U): 400 V Three phase
- Rated current (I): 630 A

Output voltage:

- CHAdeMO: 1000 V DC
- COMBO 2: 1000 V DC
- T2: 400 V three-phase AC

Output current:

- CHAdeMO: 200 A
- COMBO 2: 400 A
- T2S socket: 32 A

Output power: Up to 400 kW DC & 22 kW AC

Output power per module: 40 kW DC

Neutral System: TT or TN

Altitude resistance: 2000 m

Degree of protection: IP54

Mechanical strength: IK10

Operating temperature: -25 to +50°C

Shell material: Painted electro-galvanized steel

Communication protocols: COMBO 2, CHAdeMO

STANDARDS

- EU certification
- IEC 61851-1:2019 Conductive charging system for electric vehicles
- IEC 61851-23:2014 Conductive charging system for electric vehicles - Part 23: Direct current charging station for electric vehicles
- Payment NFC PCI 5.0 EMV L1/L2 and GIE credit cards

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