

# Pulse 50

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## Charging terminal



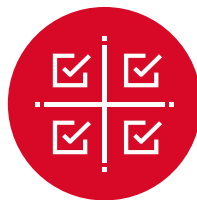
FAST  
OPTIONS  
INTEROPERABILITY



### Fast

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The Pulse 50 fast charger is a concentrated technology combining design, ergonomics and efficiency. This compact connected charging station is the response of MADIC industries' know-how to the needs of electric mobility.



### Options

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- 1D/2D bar code reader
- Contactless NFC payment
- Type 2 outlet in front
- Communication : Integral 4G & Ethernet



### Interoperability

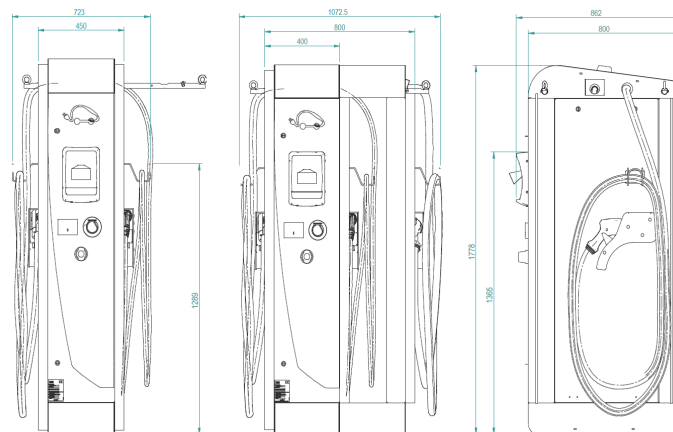
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Our Pulse 50 DC fast charger incorporates all charging technologies : COMBO 2, CHAdeMO and Type 2S to guarantee compatibility with all vehicle brands.

# Pulse 50

## + PRODUCT

- AC 43kW / DC 50kW fast charge
- Ultra compact
- Easy access for maintenance
- Highly corrosion resistant materials
- Simple user experience



Pulse 50 : two versions  
SLIM & EXTENSION

## TECHNICAL CHARACTERISTICS

### HMI

- 2 line LCD display, backlit and graphic
- Active touch selection keys
- 4 languages available as standard
- 6 bi-colour operation LEDs
- Contactless LAFON RFID ISO14443A and ISO14443B
- MIFARE reader
- MID AC meter for T2 plug
- Communication protocols OCPP 1.5 SOAP or OCPP 1.6 JSON

### ELECTRICAL

- 1 Cable equipped with a COMBO 2 plug
- 1 Cable equipped with a CHADEMO plug
- 1 Cable equipped with a Type 2 plug
- Useful cable length 5m to 5.2m depending on configuration
- 1 emergency stop
- Maximum power configurable remotely
- Integral 30 mA differential protection
- Integral 3-phase circuit breaker
- 1 surge arrester

### WEIGHT

- Pulse 50 : 250 kg/with 350 kg extension

## STANDARDS

- EC Certification
- IEC 61851-1:2012 Conductive charging system for electric vehicles
- NF EN 61851-22:2002 Conductive charging system for electric vehicles - Part 22 : AC conductive charging terminal for electric vehicles
- IEC 61851-23:2014 Conductive charging system for electric vehicles - Part 23 : DC charging terminal for electric vehicles
- NFC Payment PCI PTS 3.0, EMV L1/L2 and GIE Bank Cards/IP65 IK10



## TECHNICAL SPECIFICATIONS

### Input voltage & current :

- Nominal voltage (V) : 400 V 3-phase
- Nominal current (I) : 80A

### Output voltage :

- CHAdEMO : 485V DC
- COMBO : 500V DC
- T2 : 400V 3-phase AC

### Output current :

- CHAdEMO 0.9 : 485V DC
- COMBO 2 : 500V DC
- Cable T2 : 63A
- T2S outlet : 32A

Power electronic : 4 x 12.5 kW (modular)

Neutral system : TT

Earth leakage current : 3.5mA

Frequency : 50-60Hz

Standby power consumption

Without heating : 250W / With heating: 1000W

Altitude resistance : 2000m

Protection level : IP54

Mechanical strength : IK10

Efficiency : 96%

Harmonic distortion rate : 10%

Operating temperature : -30°C + 50°C

Power supply cable diameters : 25 to 70mm<sup>2</sup>

Sound level in operation : 60dBa

Housing material : stainless steel / anodised aluminium

Communication protocols

- CHAdEMO : BUS CAN compatible
- COMBO 2 : CPL compatible
- AC : Mode 3

## CONTACT

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