

Pulse 50 by LAFON



FAST
OPTIONS
INTEROPERABILITY



Fast

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



Options

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



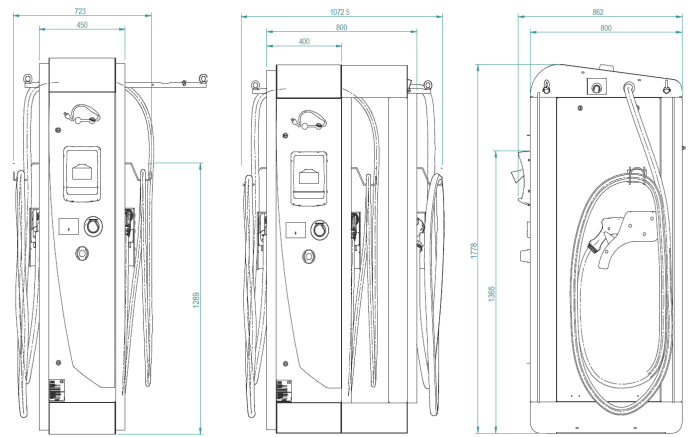
Interoperability

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 by LAFON

+ PRODUCT

- AC 43kW / DC 50kW fast charge
- Ultra compact
- High availability (reliable, maintainable)
- Highly corrosion resistant materials
- 3-phase standard
- User-friendly
- Infrastructure supervision over the internet <https://www.chargepulse.com>



Pulse 50 : two versions
SLIM & EXTENSION

EQUIPMENT

HMI

- 2 line LCD display, backlit and graphic
- Active touch selection keys
- 4 languages available as standard
- 6 bi-colour operation LEDs
- CPU card includes load control
- Contactless LAFON RFID ISO14443A and ISO14443B MIFARE reader
- Measuring card
- OCPP 1.5/1.6 communication protocols

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 arrestor

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 70mm²

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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