

PULSE QC50



The fast charger Pulse QC50 is a concentrate of technology combining design, ergonomics and efficiency.

This compact charging station is the result of LAFON's know-how to answer the inter-city electromobility needs.



EQUIPMENT

HMI

- Backlit LCD graphic screen (2 lines)
- x 4 sensitive touch buttons
- 6 twin-coloured LED status indicators
- CPU card (with RFID)
- Contactless reader: LAFON RFID ISO14443A and ISO14443B
- Measurement card

ELECTRICAL

- 1 cable equipped with COMBO 1 or 2
- 1 cable equipped with CHAdeMO
- 1 cable equipped with Type 2
- 1 emergency stop
- Integrated residual current device
- Lightning conductor
- 4 x 12,5 kW power modules

FUNCTIONS



Charge time
15-30mn > 80%



Charge mode
3 and 4



Charge
AC 43kW / DC 50kW
Efficiency rate of 96 %



Identification
RFID badge
(options : sms, barcode and QRcode)



Connection
GPRS communication or
Ethernet with server



Monitoring
ChargePulse /
OCPP roaming



Accessibility
Compliant with
PRM standard



Housing
Painted stainless
steel customizable



COMPATIBILITY

Our quick charging PULSE DC fits all recharging technologies : COMBO 1 or 2, CHAdeMO and Type 2 to ensure the compatibility with all vehicles brands.

CHAdeMO



COMBO 2



TYPE 2





- Super compact
- High availability (reliable, maintainable)
- Corrosion-resistant material
- Tri standard
- Efficiency of 96%
- User-friendly interface
- Infrastructures monitoring with Internet <https://www.chargepulse.com>

OPTIONS

- 1D/2D Barcode reader
- Payment module
- Geolocation & booking with smartphones
- Type 2 socket in front side

STANDARDS

CE Certification

IEC 61851-1:2010

Electric vehicle conductive charging system

NF EN 61851-22:2002

Electric vehicle conductive charging system, part 22 : conductive charging point in alternating current for electric vehicles.

IEC 62196-1:2012

Plugs, socket-outlets, vehicle connectors and vehicle inlets

IEC 61851-23:2014

Electric vehicle conductive charging system, part 23 : Direct current charging point for electric vehicles.



TECHNICAL SPECIFICATIONS

Input / voltage and current

- Nominal voltage (U) : 400V AC
- Nominal current (I) : 80A

Output / Voltage

- CHAdéMO : 485V DC
- COMBO : 500V DC
- T2: 400V three-phases AC

Output/ Current

- CHAdéMO 0,9 : 485V DC
- COMBO 2 : 500V DC
- Cable T2: 63A
- T2 socket : 32A

Available power :

4 x 12,5kW (modular)

Neutral system : TT

Earth leakage current : 3,5mA

Frequency : 50-60Hz

Standby consumption

Without heating : 250W / With heating : 1000W

Altitude resistance : 2000m

Protection degree : IP54

Mechanical resistance : IK10

Harmonic distortion rate : 10%

Operating temperature : -30°C + 50°C

Weight : 250kg / with extension 350kg

Alimentation wire diameter : 25 to 70mm²

Functioning sound level : 60dBa

Charging station housing : stainless steel / anodised aluminium

Vehicle communication

- CHAdéMO : BUS CAN compatible

- COMBO 2 : CPL compatible

- AC : Mode 3 and simplified Mode 3

SIM card : standard

