Public Charging Station

Pedestal-mount   Wall-mount

Overview

- Charge all Mode-3 vehicle
- Pedestal or wall-mount installation
- AC output power from 3,7 kVA up to 22 kVA
- Simultaneous charging of 2 vehicles
- TFT color display
- RCD and breaker included
- Network integration (OCPP or proprietary protocol)
- Built-in communications (3G; LAN; Wi-Fi)

User-Friendly   Scalable   Communication & Management   Available Outputs

3,7 kVA   7,4 kVA   11 kVA   22 kVA

Main features

- Multiple outputs (Mode-3)
- Multiple powers (up to 22 kVA)
- Scalability (Master-slave)
- Versatile installation options
- Aluminum enclosure
- Simple plug & play installation
- Local and remote monitoring and control

The Public Charger was designed to have up to 2 outputs, Mode 3 charging socket (power ranging from 3,7 kVA to 22 kVA), able to charge any electric vehicle compatible with IEC61851.

Using easy installation procedures and requirements, the Public Charger can be wall - mounted or pedestal-mounted, allowing versatile installation options. The Human Machine Interface (HMI) with TFT display and RFID reader was designed to control the 2 build-in outputs.
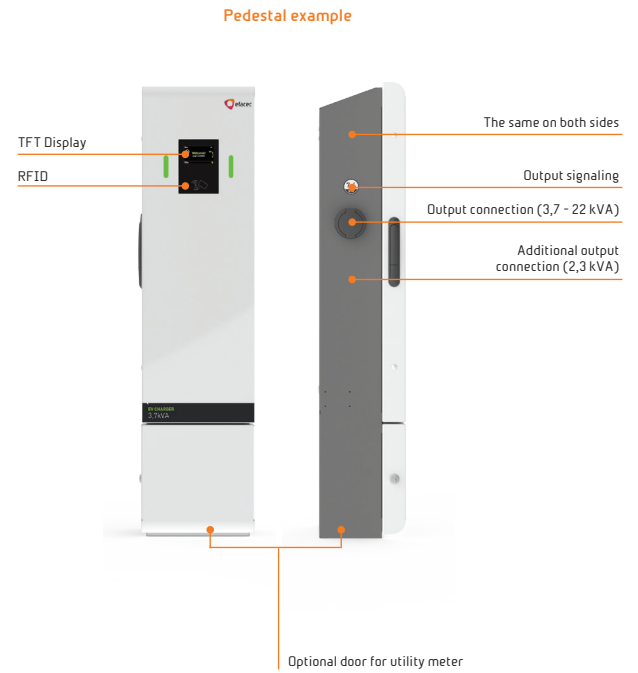
Each Efacec Public Charger can be integrated in a charging infrastructure network and its operation and status is controlled by the central management system.

Multiple Public Chargers in one location can be integrated in the network in a master slave configuration with only one internet communication connection.
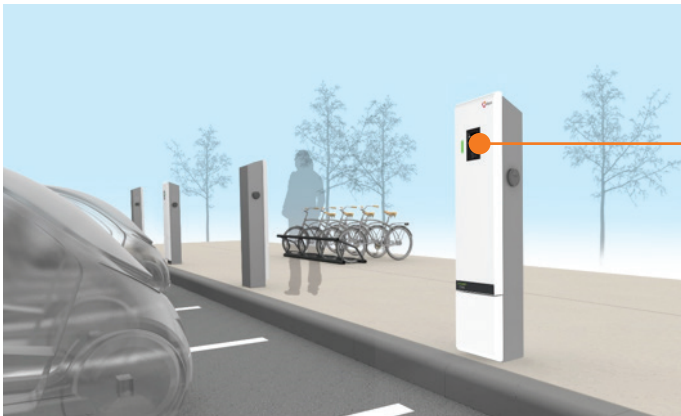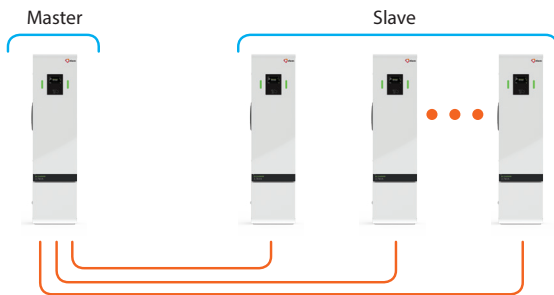
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Technical Information

Technical data — CE

Technical data	CE			
AC Nominal Input				
Phases / lines	1 phase + neutral + PE		3 phases + neutral + PE	
Voltage	230 V ± 10%		400 V ± 10%	
Frequency	50 or 60 Hz		50 or 60 Hz	
Input current	16 A	32 A	16 A	32 A
Input power	3,7 kVA	7,4 kVA	11 kVA	22 kVA
AC Nominal Output				
Voltage	230 V ± 10%		400 V ± 10%	
Current	16 A	32 A	16 A	32 A
Nominal power	3,7 kVA	7,4 kVA	11 kVA	22 kVA
Over current	20 A	40 A	20 A	40 A
RCD	30 mA (Type A)		30 mA (Type B)	
General Specifications				
Equipment	Single or dual output equipment			
Mounting	Pedestal or wall mount			
Communication with EV	Pilot signal according to IEC61851			
AC plug (or socket)	IEC62196 Type-2 (others under request)			
Human machine interface Display RFID system Communication	By default Yes - TFT (color display) Mifare (Classic, DesFire EV1) 3G (GSM or CDMA) | LAN | Wi-Fi			
Communication protocols	OCPP (1.2; 1.5) and others			
Place of installation	Indoor/Outdoor			
Altitude	Up to 1000 m			
Protection degree	IP54 | IK10			
Operating temperature	-30 to +50ºC			
Storage temperature	-40 to +60 ºC			
Humidity	5% to 95%			
Dimensions (W x D x H)	Wall-mount 374x275x1080 mm		Ground-mount 374x275x1450 mm	
Weight	20 to 30 kg			

Configurations

Pedestal example

- TFT Display
- RFID
- The same on both sides
- Output signaling
- Output connection (3,7 - 22 kVA)
- Additional output connection (2,3 kVA)
- Optional door for utility meter

Master/Slave scheme

Master | Slave

Applications

- Public parking
- Supermarkets and shopping centers
- EV infrastructure operators
- EV fleets (private and public)

Color Display