Public Charging Station

Overview

- Charge all Mode-3 vehicle
- Pole or wall-mount installation
- Single AC output from 3,7 kVA to 22 kVA
- Simple and intuitive usage
- RFID user identification
- Status color LED
- Network integration (OCPP or proprietary protocol);
- Build-in communications (3G; LAN; Wi-Fi)

Main features

- Single output (Mode-3)
- Multiple powers (up to 22 kVA)
- Scalability (master-slave)
- Versatile installation
- Aluminium enclosure
- Simple plug&play installation
- Local and remote control and monitoring
- Customizable

User-Friendly   **Low-Cost**   **Communication & Management**   **Available Outputs** (3,7 kVA | 7,4 kVA | 11 kVA | 22 kVA)

Product description

The **Pole Mount** is designed for conductive battery charging of the BEV (Battery Electric Vehicle) or PHEV's (Plug-in Hybrid Elecric Vehicles) on board batteries at public access charging locations, where usage simplicity and functionality are important. Equipped with one Mode 3 charging outlet (power ranging from 3,7 kVA to 22 kVA), can charge any EV compatible vehicle with IEC61851.

Using easy installation procedures and requirements, the **Pole Mount** can be also mounted in a wall, allowing versatile installation options.

Each Efacec **Public Charger** can be integrated in a charging infrastructure network and its operation and status is controlled by the central management system.

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Technical Information

Technical data — CE

	CE			
AC Nominal Input				
Phases / lines	1 phase + neutral + PE		3 phases + neutral + PE	
Voltage	230 Vac ± 10%		400 Vac ± 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 Vac ± 10%		400 Vac ± 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	30mA (Type A)		30 mA (Type B)	
General Specifications				
Equipment	Sinlge AC output equipment			
Mounting	Pole or Wall Mount			
Communication with EV	Pilot Signal according to IEC61851			
AC Plug (or socket)	IEC62196 Type-2 (others under request)			
Human machine interface	**By default**			
Display	No			
RFID system	Mifare (Classic, DesFire EV1)			
Communication	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	**-25 to +50 ºC**			
Optional Cold Option	-35 to +50 ºC			
Storage temperature	-40 to +60 ºC			
Humidity	5% to 95%			
Dimensions (W x D x H)	284 x 184 x 434			
Weight	≈ 9 Kg			

Configurations

Mounting Examples

Pole mount

Wall mount

Master/Slave scheme

Master

Slave

Homecharger with meters and RFID
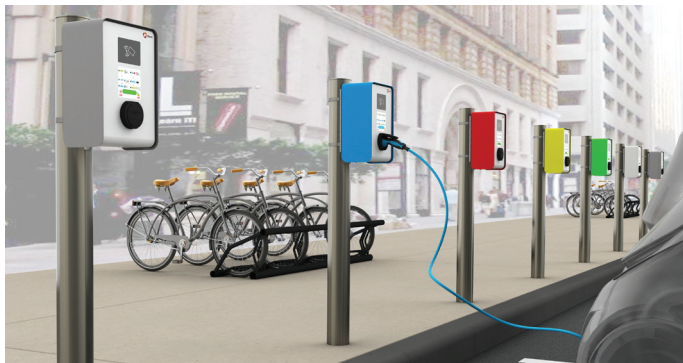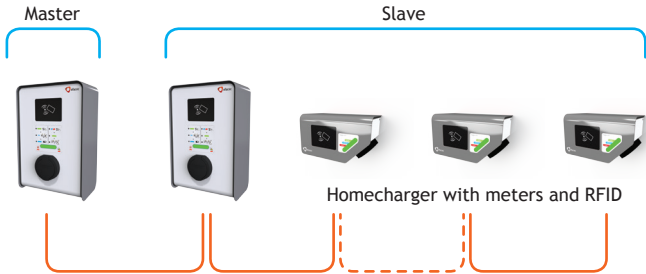
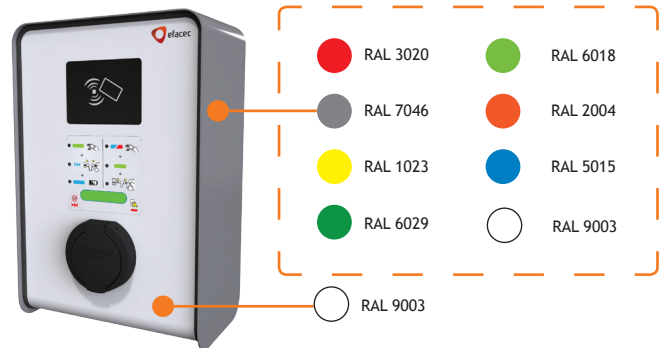## Applications

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

Choose your color

- RAL 3020
- RAL 6018
- RAL 7046
- RAL 2004
- RAL 1023
- RAL 5015
- RAL 6029
- RAL 9003
- RAL 9003