

Public Charge Station

PC22

Overview

- Charge all Mode-3 vehicle
- Pedestal or wall-mount installation
- AC output power up to 22kVA
- Simultaneous charging of 2 vehicles
- TFT colour display
- RCD and breaker included
- Network integration (OCPP or proprietary protocol)
- Built-in communications (2g ; 3g ; 4g ; LAN; Wi-Fi)

Product description

The Public Charger was designed to have 2 outputs, Mode-3 charging socket (power rating 22kVA), able to charge any electric vehicle compatible with IEC 61851.

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.



PC22

Main features

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

Technical Information

Technical data	CE	
AC nominal Input		
Phases / lines	3 phases + neutral + PE	
Voltage	400 V ± 10%	
Frequency	50 or 60 Hz	
Input current	32A	64A
Input power	22kVA	44kVA
AC Nominal Output		
Voltage	400V ± 10%	
Current	16A	32A
Nominal power	2 x 11kVA	2 x 22kVA
Over current	20 A	40 A
RCD	30 mA + (6 mA d.c.)	
General Specifications		
Equipment	Dual output equipment	
Mounting	Pedestal or wall-mount	
Communication with EV	Pilot signal according to IEC 61851	
AC plug (or socket)	IEC 612196 Type-2 (others under request)	
Human machine interface	By default	
Display	Yes - TFT (colour display)	
RFID system	Mifare (Classic, DesFire EV1)	
Communication	4G,3G,2G LAN Wi-Fi	
Communication protocols	OCPP (1.2;1.5;1.6) and others	
Place of installation	Indoor/Outdoor	
Altitude	Up to 1000 m	
Protection degree	IP54 IK 10	
Operating temperature	-30 to +50°C	
Storage temperature	-40 to +60°C	
Humidity	5% to 95%	
Dimensions (W x D x H)	Wall-mount unit	Wall-mount unit + Pedestal
	374 x 275 x 800 mm	374 x 275 x 1450 mm
Weight	20 to 30 kg	
HMI	2x push buttons (optional)	
Push button charging stop	Optional	



Applications

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

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Configurations



Colour Display



MOD. CS481P2011A1