



EV Charging Station



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### High power EV Charging Station

The EV Charging Station has three phase and single-phase capabilities. It delivers maximum 22kW AC in three phase mode or 7.3kW in single phase mode.

### Wi-Fi Communication

Wi-Fi: 802.11 b/g/n for configuration and monitoring.

The internal Wi-Fi module can be configured in Access Point mode or Station mode for both the initial setup and monitoring.

### LCD Touch Screen

It incorporates 4.3-inch LCD Touch Screen for monitoring and control.

### Light Ring for fast viewing the device state

Fully programmable RGB Light Ring around charging port, to quickly determine the device state.

It can be programmed from the web interface to display different light effects based on the current state (disconnected, charging, charged etc.). The objective is to help the user see the current state from a distance.

### Two working modes available:

#### Manual Mode to configure output current

Manual mode allows configurable output current between 6-32A.

The charging power is controlled in two ways: by using the slider on the LCD touch screen or by using its web page. It allows to manually start or stop the charging process when a vehicle is connected to the charging station.

#### Automatic Mode to ensure maximum PV system efficiency

It detects when excess power is available and uses only that power to charge the vehicle.

#### Integration with GX devices

The EV Charging Station can be configured and monitored from the GX screen devices and Remote Console.

#### Integration with VRM

Several options are available in the VRM Portal: real time reports, custom reports for configurable time periods, advanced functions such as remote firmware update.

EV Charging Station 22kW	
Input voltage range (V AC)	170 – 265
Rated charge current	32A / phase
Nominal power	22kW
Current output range	6 – 32A
Wi-Fi standards	802.11 b/g/n (2.4Ghz only)
Self-consumption	15mA@230V
Configurable Max. Current	10-32A
Connector type	IEC 62196 Type 2
GENERAL	
Means to Disconnect	External circuit breaker (40A recommended)
Configurable price/kWh calculator(Eur)	Default setting: 0.13 (adjustable)
Control type	Touch Screen, Web page, GX Device over Modbus TCP
Light Ring	55 light configurable light effects available
Protection	External RCD is required
Operating temperature	-25°C to +50°C
Storage temperature	-40 °C to +80 °C
Humidity	95%, non-condensing
Data communication	Modbus TCP over WIFI
ENCLOSURE	
Enclosure colour	Blue (RAL 5012)
Power terminals	6-10 mm <sup>2</sup> / AWG 10-8
Protection category	IP44
Ventilation	not required
Weight	3 kg
Dimensions (h x w x d)	390 x 300 x 150 mm
STANDARDS	
Safety	IEC 61851-1, IEC 61851-22 Detection for Relay Contact welded Detection for missing protective conductor Detection for missing Ground Detection for shorted CP