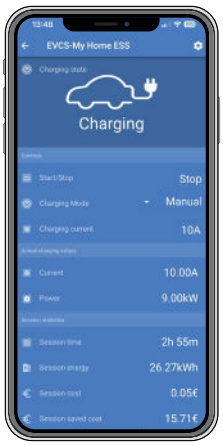
EV Charging Station v2 – 22 kW



EV Charging Station v2



EV Charging Station v2 - Back



VictronConnect app

High power EV Charging Station
The EV Charging Station v2 has three-phase and single-phase capabilities. It delivers a maximum of 22 kW AC in three -phase or 7.3 kW in single -phase mode.

Wi-Fi and Ethernet Communication
Wi-Fi: 802.11 b/g/n for configuration, monitoring and control. The internal Wi-Fi module can be configured in Access Point or Station mode for both the initial setup and monitoring. A built-in Ethernet port is also available for a wired network connection.

Easy operation and control via VictronConnect App and NFC
All operating parameters and session statistics are available in VictronConnect. A session can also be started with an NFC tag.

LCD Touch Screen
Built-in 4.3-inch LCD Touch Screen for monitoring and control.

Light Ring for fast viewing the device state
Fully programmable RGB Light Ring around the charging port, with 55 light effects to quickly determine the device state.

Safety and protection
An internal RCD stops charging on a residual current fault, proximity pilot detection limits the current to the cable rating, and a motorised cable lock secures the cable. In selected regions, an intrusion detection sensor prevents charging if the case is opened.

Three working modes available:
Manual Mode: output current of 6 - 32 A, started and stopped manually.
Automatic Mode: detects when excess power is available and uses only that power to charge the vehicle.
Scheduled Mode: charges at custom intervals, for example at night when grid energy is cheaper.

Integration with GX devices and VRM
Control and monitor the EV Charging Station v2 from a GX device touch display and the Remote Console and the VRM Portal. The VRM Portal also offers real-time and custom reports for configurable time periods.

EV Charging Station NS v2	
Input voltage range (VAC)	170 – 265 VAC
Rated charge current	32 A / phase
Nominal power	22 kW
Current output range	6 – 32 A
Self-consumption	15 mA@230 V
Connector type	IEC 62196 Type 2, motorised cable lock
GENERAL	
Means to Disconnect	External circuit breaker (40 A recommended)
Configurable price/kWh calculator (Eur)	Default setting: 0.13 (adjustable)
Control type	Touch screen, web interface, GX device, NFC, VictronConnect (locally via Bluetooth), VictronConnect-Remote (from anywhere via VRM)
Light Ring	55 configurable light effects available
Energy metering	Integrated metering IC
V2G	Prepared for V2G
Operating temperature	-25 °C to +50 °C
Storage temperature	-40 °C to +80 °C
Humidity	95 %, non-condensing
Data communication	MQTT and Modbus TCP over WiFi/Ethernet, Bluetooth
WiFi standards	802.11 b/g/n (2.4 Ghz only)
ENCLOSURE	
Enclosure colour	Light Blue (RAL 5012)
Power terminals	6-10 mm² / AWG 10-8
Protection category	IP44
Ventilation	not required
Weight	3 kg
Dimensions (h x w x d)	377 x 307 x 148 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 Intrusion detection Internal RCD

Victron Energy B.V. | De Paal 35 | 1351 JG Almere | The Netherlands
E-mail: sales@victronenergy.com
www.victronenergy.com