# EV Charging Station NS v2 – 22 kW



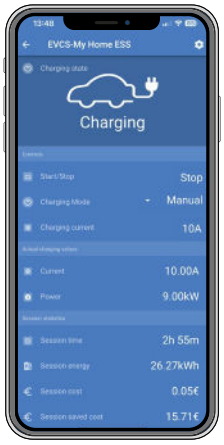
EV Charging Station NS v2



EV Charging Station NS v2 - Front



Black, blue (default) or white front




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.

### 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. example at night when grid energy is cheaper.

| 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 | Web page, GX device, NFC,<br>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),<br>Traffic Black (RAL 9017), Traffic White (RAL 9016) sold separately |
| Power terminals | 6-10 $mm^2$ / AWG 10-8 |
| Protection category | IP44 |
| Ventilation | not required |
| Weight | 3 kg |
| Dimensions (h x w x d) | 372 x 292 x 122mm |
| STANDARDS | |
| Safety | IEC 61851-1, IEC 61851-22<br>Detection for Relay Contact welded<br>Detection for missing protective conductor<br>Detection for missing Ground<br>Detection for shorted CP<br>Intrusion detection<br>Internal RCD |

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