



EVC500

TWERD DC Wallbox

A compact DC Wallbox
for EV vehicles

25 kW, 30 kW

The compact **EVC500** charger allows to charge electric vehicles (EV) by DC current via the CCS or CHAdeMO connectors.

The **EVC 500** charger comes in three versions:

- **AC/DC** - for typical applications, power supply 3x400Vac
- **AC/DC V2G** - with support for the V2G standard
- **DC/DC** - DC supply: possibility to work with energy storage systems and renewable energy installations

Highlights:

- Fast DC charging of compatible electric vehicles
- DC output: up to **25 kW**: EVC500 25, up to **30 kW**: EVC500 30
- EV DC charging standards: CCS and CHAdeMO
- Communication protocol: OCPP 1.6 (optional GSM modem required)
- Monitoring of station parameters is possible via built-in GSM modem (option)
- Active rectifier ensures low of THDi current distortion factor
- Possibility to implement the V2G standard (option)
- Adaptable to DC voltage supply from energy storage (option)
- High-contrast 7" touch panel
- Compact dimensions
- Product entirely developed and manufactured in Poland
- Easy to install

Applications:

The **EVC500** charger is compatible with all types of electric vehicles that support the CCS and CHAdeMO charging standards. Compact dimensions and low weight allow it to be used in both commercial and private application properties. The charger is designed to wall or pole mounting.

Specifications

DC fast charging

| | |
|--|--|
| Number of charging points: | 2 |
| Number of simultaneous charging session: | 1 |
| Output power of each charging points : | EVC500 25: 25 kW EVC500 30: 30 kW |
| Charging plugs: | |
| • CCS: | 1 |
| • CHAdeMO: | 1 |
| DC charging standards | |
| • ISO-15118, DIN 70121 | |
| • CHAdeMO | |
| Charging current: | EVC500 25: 0 - 62 A EVC500 30: 0 - 75 A |
| Charging voltage: | 50 - 500 V _{DC} (option 50 - 1000 V _{DC}) |

Charging cable length:

3,5 m
other lengths on request

Charging authorisation:

RFID card, PIN code

User interface and control:

7" high contrast TFT screen

Communication protocol:

OCPP 1.6 JSON

Power input

- Voltage:
 - Grid type:
- Other voltage ranges and types on request*

3 x 400 V, 50 Hz
TN-C, TN-S, TN-C-S

Electromagnetic compatibility

- EN-IEC-61000-6-4-2019

Efficiency:

up to 95%

Ingress protection:

IP 55

Dimensions and weight

- Charger dimensions (H x W x D):
- Charger dimensions with handles (H x W x D):
- Weight:

650 x 630 x 341 mm
763 x 699 x 341 mm
approx. 50 kg

For more information, please contact us!

We may make changes to specifications and product descriptions at any time, without any notice.



TWERD ENERGO-PLUS Sp. z o.o.

ul. Aleksandrowska 28-30
87-100 Toruń, PL

tel. +48 56 654 60 91
e-mail: twerd@twerd.pl

www.twerd.pl

