



SINGLE WALLBOX

Suited for residential and semi-public, commercial use

The new Enovates charger is an affordable, intelligent and scalable charging solution that fits any location thanks to its slim and attractive design.

It's innovative modular design exists in different models, tailored to the specific needs of the market segments. The charger enclosure can easily be adapted to the customer's and corporate identity by means of custom stickers, a front cover in a specific color or even a new design of the front cover.

The flexible charger design makes that the charger can be fitted in any location, being wall mounted or standalone using a dedicated pedestal for single charger or dual back-to-back installation. It is available in both socket or cable variants.

Finally, the charger is universal since it can comply to all EU local regulatory, safety and installation requirements.



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Technical specifications

| | |
|---|--|
| PRODUCT INFORMATION | SWB400 SERIES |
| Charging Mode | Mode 3 |
| Connector Type or type connection | Type 2 socket (EU), optional with shutter, Type 2 cable – length approx. 6,5m Type 2 socket with shutter, optionally with 1 x Type E outlet |
| Input/output power rating and current | Single Phase: Up to 7,4 Kw/32A ; Tri Phase: Up to 22 kW/32A |
| Input/output voltage | Single Phase 1x230V AC + N - 50 Hz ; Tri Phase 3x400V AC + N - 50 Hz |
| Network Type | TT, TN, IT** |
| Max. input cable diameter | 16 mm ² solid or stranded wire with ferrules |
| Energy measurement | MID certified class A meter |
| Stand-by power consumption | 5,4 W |
| OPERATING CONDITIONS | |
| IP and IK Rating | IP 54 & IK 10 |
| Operating altitude | Up to 2000 meters |
| Operating temperature range | -30°C to +50°C |
| Storage temperature range | -25°C to +70°C |
| Max. allowed density (in operation) | ≤ 90 % (non-condensing) |
| Humidity | 10% to 95% |
| Environmental conditions & access | In- and outdoor use, equipment for locations with non-restricted access |
| GENERAL CHARACTERISTICS | |
| Dimensions (H x W x D) | 426 x 248 x 120 mm (socket/cable) 426 x 248 x 165 mm (socket shutter/Type E) |
| Weight | 3,5 kg (socket) 4,5 kg (socket shutter/Type E) 5,2 kg (cable) |
| Standard color | RAL9003 (white), other colors and logo application in option |
| Enclosure | Polycarbonate, UV stabilized and flame retardant |
| Mounting | Wall mount (included) or optional on single or double sided pedestal. Cable can be wrapped around the charger |
| INTERFACES | |
| Status indication | Via multi-colored LED or via My-Enovates app |
| User interface | Via the My-Enovates app |
| Authentication methods | Plug & charge, Plug & charge via ISO 15118-2*, RFID badge or back-office app |
| Communication protocols | OCPP 1.6J including security whitepaper for TLS, OCPP 2.0.1*, ISO 15118*, Modbus RS485, Modbus TCP/IP |
| Connectivity | 4G LTE (Professional version only), Ethernet RJ45, Wifi client 2.4 GHz, BLE, RS 485 |
| SMART FEATURES | |
| Smart charging | Basic load management, load scheduling, grid power limiting via My-Enovates app |
| Load shedding | Via optional hardware including eDCB (external CT coils), eDSB, eDLB or eDPIB module |
| EMS integration | Via Public API and with optional compatible hardware |
| BiDirectional Charging (V2G AC) | ISO15118-20* (via optional license) |
| Master license to create a charging cluster | Via optional license (professional version only) |
| PROTECTIONS | |
| Leakage current protection | 6 mA DC leakage current detection |
| PEN fault detection | Integrated on control board* |
| Integrated sensors | Temperature and tilt sensors |
| Electrical safety class | Class I |
| Others | Shunt output, On/off peak input |
| CERTIFICATES & CONFORMITY | |
| Certification | CE, CB (Dekra), MID Class A, Mess und Eichrecht (optional*), EV ready |
| According to standards/norms | EN/IEC61851-1 ed3, EN/IEC62368-1, IEC61851-21-2 & applicable ETSI standards |
| Directives | RED (2014/53/EU), MID (2014/32/EU), WEEE (2019/19/EU), REACH (EC 1907/2006), RoHS2 (2011/65/EU) |
| Warranty | 2 years |



* On 2024 roadmap

** Not all vehicles support the IT system. In that case, or with 3-phase charging, an isolation transformer is required



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Technical specifications are subject to change without prior notice.