

SINGLE WALLBOX SERIES (model 2023)

Highlights

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

The innovative modular design exists in different models, tailored to the specific needs of the market segments.

The charger has a flexible enclosure approach, which can easily be rebranded or fully customized to match the customer's identity.



Unique features



eNovates has fully reinvented the charger concept in order to offer a innovative charger setup which is engineered for hassle free installation & configuration in various installations.

The different models expose a set of features that match the purpose at the best price in the market. Where needed, the charger can be completed with additional options, based on the local needs & regulatory requirements. This way, the charger can be integrated in various eco-systems

All models have local Bluetooth support for configuration, maintenance and control. Depending on model, additional features include ethernet, Wi-Fi, and mobile data connection are available.

On top, the charger is prepared for the future by supporting technologies like ISO-15118, OCPP 2.0.1 and bi-directional charging (V2G).

The on-board metering circuit is MID certified to comply with regulations related to any kind of billing.

Finally, the charger can interact with various Home Energy Management Systems using standard interface protocols.

Flexible installation

The flexible charger design makes the charger to be fitted on 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 local regulatory or installation requirements.



Types and standard specifications

| | ESSENTIAL | RESIDENTIAL & FLEET | PROFESSIONAL |
|-----------------------------------|-------------------------------------|--|--|
| Charging Mode | Mode 3 (IEC 61851-1 ed. 3) | Mode 3 (IEC 61851-1 ed. 3) ISO-15118 ⁽¹⁾ | Mode 3 (IEC 61851-1 ed. 3) ISO 15118 ⁽¹⁾ |
| Charge Control | - | RFID (IEC 14443 A/B, ISO 15693) Plug & Charge (ISO-15118-2) ⁽¹⁾ | RFID (IEC 14443 A/B, ISO 15693) Plug & Charge (ISO-15118-2) ⁽¹⁾ |
| Connectivity | Bluetooth | Bluetooth Wifi (AP & Client) Ethernet (2x LAN, bridged) | Bluetooth Wifi (AP & Client) Ethernet (WAN + LAN, router) 2G / 4G / LTE |
| Multi-charge (Parking Lot) | - | Satellite | Master/Satellite |
| Backend Protocol | - | OCPP 1.6J OCPP 2.0.1 ⁽²⁾ | OCPP 1.6J OCPP 2.0.1 ⁽²⁾ |
| Metering | MID grade meter | MID meter | MID Meter |
| Load Balancing | Supported via optional hardware | Supported via optional hardware ⁽⁴⁾ | Supported via optional hardware ⁽⁴⁾ |
| HMI | LED based HMI | LED based HMI | LED based HMI |
| Options | Broken PEN Detection ⁽³⁾ | Broken PEN Detection ⁽³⁾ BiDirectional Charging (V2G AC) ⁽³⁾ HEMS Integration ⁽³⁾ | Broken PEN Detection ⁽³⁾ BiDirectional Charging (V2G AC) ⁽³⁾ HEMS Integration ⁽³⁾ |

| ELECTRICAL PROPERTIES | |
|--------------------------------|--|
| Voltage Rating | 1x230V (50/60Hz) 3x400V+N (50/60Hz) |
| Current Rating | 32A |
| Max Charging Power | 7.4kW (single phase) 22kW (tripphase) |
| Charging socket | AC-Type2 socket Optional: Schuko, Schutter |
| Cable plug | Cable (7m) with AC-Type2 plug |
| Installation wiring | 0.75 .. 10mm ² |
| Earth Leakage Detection | DC 6mA |
| Compliance | IEC61851-1 ed3 EMC class B, CE EV/ZE ready predisposed |

| PHYSICAL PROPERTIES | |
|-------------------------------|---|
| Dimensions (W x H x D) | 248 x 426 x 120 (w/o shutter) 248 x 426 x 165 (with shutter) |
| Weight (kg) | 3.5– 5.0 kg |
| Enclosure rating | IK10 (IEC 62262) IP54 (IEC 60529) |
| Operating Temperature | -30 °C .. +50 °C |
| Humidity | Max 95% (non condensing) |
| Mounting | Wall mount (included) optional pedestal |
| Warranty | 2 years |

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(1): ISO-15118-2 support is planned for release in Q3 2022
(2): OCPP 2.0.1 support is planned for release in Q4 2022
(3): These options are planned for release by end of 2022
(4): Optional hardware for load balancing include CT-coils, eDSB, eDLB and PI-dongle

