E N one

Single Wallbox
Future Proof

ENOVATES
DRIVEN BY SMART E-MOBILITY

Charge smarter

Use energy more efficiently

The ENO one is a premium-quality, robust single wallbox with features that exceed market standards.

Key points

- Install in 15 minutes
- Only 4 components
- ISO15118 ready
- Vehicle-to-grid (V2G) when vehicle supports active anti-islanding
- MID certified
- Remote configurable
- Mobile user app available
- Daisy-chain
- AFIR compliant
- RED certified
- OCPP compliant

A perfect fit

- First-time-right installation
- Design strongly focused on error-free, simple and fast installation – positively impacting total cost of ownership (low TCO)
- Customizable design/branding options

Core benefits

Future-ready

V2G-ready

- ISO15118-20
- Integrated bi-directional MID meter
- Passive anti-islanding via RoCoF
- Ideal for energy sharing and grid stabilization

OCPP

Enovates supports OCPP 1.6j, ready for 2.x, preconfigurable with your preferred back office.

Load balancing

- Compatible with EMS
- Active load balancing
- Smart charging network
- Remote load balancing

Highlights

Maximum uptime

Smart charging without worries. Our extensively tested hardware and firmware ensure maximum availability and is maintenance-free.

Open and future-proof

No lock-ins, just open standards. Connect with any platform or backend, ready for ISO15118, V2G and more.

Smart design, locally produced

Designed and built in-house in our European factories. Customizable, scalable and sustainably engineered.

Innovation backed by experience

Over 16 years of expertise in EV charging. In-house technology and know-how for professionals and resellers.

ENO one | Technical specifications

General information	
Model	ENO one series
Color	RAL 9003 (white) or RAL 9005 (black) – other colors and logo options available
Weight	3.5 kg (socket) | 4.5 kg (socket + shutter/E) | 5.2 kg (cable)
Dimensions	426 x 248 x 120 mm (socket + cable) | 426 x 248 x 165 mm (socket + shutter/E)
Enclosure	PC, UV stabilized and flame retardant
Mounting	Wall mounting or single / double-sided on pole
Charging features	
Charging mode	Mode 3
Connection type	T2 (EU), T2 - shutter/E, T2 cable (approx. 6.5 m). Eichrecht available.
Input/output power rating and current	Single-phase: 7.4 kW / 32A | Three-phase: 22 kW / 32A
Input/output voltage	Single-phase: 230V AC + N - 50 Hz | Three-phase: 400V AC + N - 50 Hz
Network type	TT, TN, IT**
Energy consumption & efficiency	
Standby power consumption	5.4 W
Energy meter	Certified MID meter
Max cable cross section	16 mm^2
Environmental conditions	
IP and IK Rating	IP 54 & IK 10
Operating temperature range	-30°C to +55°C
Storage temperature range	-25°C to +70°C
Humidity	5% to 95%
Operating altitude	To 2000 meters
Environmental conditions & access	In- and outdoor use
Smart features & connectivity	
Smart charging	Load management, energy scheduling via the My-Enovates User app or back-office app
Active load balancing	EMS, Modbus TCP/IP, RS485, direct with coils
Bidirectional charging (V2G AC)	ISO15118-ready
Charging HUB	Star, daisychain or remote
Connectivity	4G LTE (+ version) | Ethernet (RJ45) | Wifi (2.4 GHz) | Modbus RS485 and Modbus TCP/IP
User interface and status indicator	LED interface with adjustable intensity
Authentication	Plug & Charge, ISO 15118-ready, RFID badge or via back-office app

Security & protection

Residual current detection - Detection of 6 mA DC leakage current (patented)
PEN fault detection - Integrated on control board
Temperature and tilt sensor - For extra safety
Electrical safety class - Class I

Certificates & compliance	
Certifications	CE (EU type examination certificate) | CB (Dekra) | MID, Mess- und Eichrecht (optional) | RED (2014/53/EU) | EV-ready
Standards	EN/IEC61851-1 ed3, EN/IEC62368-1, IEC61851-21-2 and applicable ETSI standards, OCPP
Directives	MID (2014/32/EU), WEEE (2019/19/EU), REACH (EC 1907/2006), RoHS2 (2011/65/EU)
Warranty	3 years (carry-in) or optional 5 years with the swap process

Dealer:

** 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.