



## PRO SERIES

**Enovates' reference charging station for semi-public use is definitely the PRO series.**

This attractive and robust charging station with two Type 2 sockets has an anti-graffiti powder-coated, plate steel casing. The sloping top ensures that dirt is removed easily and the triangular shape allows the charging cables to naturally lie in the direction of the car to be charged.

The Enovates PRO Series has a user-friendly LED-based interface indicating the charging status of each EV socket. This makes it easy for drivers to monitor the charging process and ensures that they know when their EV is fully charged.

The charging station can be personalized to your corporate identity so your brand stands out on any parking lot.



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## Technical specifications

PRODUCT INFORMATION	PRO400 SERIES
Charging Mode	Mode 3
Connector Type	2 x Type 2 (EU) 2 x Type 2 with shutter + 1 x Type E outlet
Input/output power rating and current	Up to 22 kW/32A per EVSE
Input/output voltage	400 V, 50 Hz
Network Type	TT, TN, IT**
Max. input cable diameter	16 mm <sup>2</sup> solid or stranded wire with ferrules
Energy measurement	MID certified class B meter per EVSE
Stand-by power consumption	7,4 W
OPERATING CONDITIONS	
IP and IK Rating	IP 54, IK 10
Operating altitude	Up to 2000 meters
Operating temperature range	-25°C to +50°C (automatic derating curve to protect inner components)
Storage temperature range	-25°C to +70°C
Max. allowed density (in operation)	≤ 90 % (non-condensing)
Humidity	10% to 95%
Environmental conditions & access	Outdoor use, equipment for locations with non-restricted access
GENERAL CHARACTERISTICS	
Dimensions (H x W x D)	1500 x 290 x 245 mm
Weight	30,5 kg
Standard color	RAL9003 (white), other colors and logo application in option
Enclosure	Powder-coated steel casing with anti-graffiti layer, enclosure with increased corrosion protection in option
Mounting	Ground mounting with optional anchor
INTERFACES	
Status indication	Via multi colored LED (1 LED for each EVSE)
User interface	Via QR code provided by the CPO
Authentication method	Plug & charge, Plug & charge via ISO 15118-2* (optional), RFID badge (multiprotocol, 1 for each EVSE)
Communication protocols	OCPP 1.6J including security whitepaper for TLS, OCPP 2.0.1*, dual socket ISO 15118* (with optional ISO 15118 module), Modbus RS485
Connectivity	4G with fallback to 2G, Ethernet RJ45, RS485
SMART FEATURES	
Smart charging	Basic load management, load scheduling, Intelligent® Smart Charging & Inter-phase® Smart Charging
Load shedding	Via optional hardware including eDSB, eDLB or eDPIB module
EMS integration	Via Public API and with optional compatible hardware
BiDirectional Charging (V2G AC)	ISO15118-20* – via optional ISO 15118 module and optional license
Master license to create a charging plaza	Via optional license
Vehicle Detection System	Via optional hardware
PROTECTIONS	
Short circuit protection	40A 4P C curve for each EVSE
Residual current circuit breaker	30 mA Type A for each EVSE
Leakage current protection	6 mA DC leakage current detection on each EVSE
Integrated sensors	Temperature and tilt sensors
Electrical safety class	Class I
CERTIFICATION	
Certification	CE, CB (Dekra), EV ready
According to standards/norms	CEM 2014/53/UE ; RED 2014/53/EU ; ROHS 2011/65/EU
Directives	RED (2014/53/EU), WEEE (2019/19/EU), REACH (EC 1907/2006), RoHS2 (2011/65/EU)
Warranty	2 years

