

Smart Management of Electric Vehicle Charging

EC-B1, ES-B1



Main Specifications

Product name	EDGE Maestro
Versions	EDGE Maestro (EC-B1) EDGE Maestro Extender (ES-B1)
Cable communications	Ethernet RS485
Wireless communications	4G LTE / 3G / 2G
Communication protocols	OCPP 1.6 ModBus RTU ModBus TCP
Compatible EV charging modes	Modo 3
Smart management features	Load balancing (static and dynamic) Smart Charging Web App compatible

Environment Specifications

Mounting location	Interior
Earthing system	TT or TNS
Pollution degree	2
Ambient air temperature for operation	-20...70 °C
Ambient air temperature for storage	-30...70 °C
Humidity conditions	20...90 %
Operating altitude	≤ 2000 m

Electrical Specifications

Rated voltage [U_n]	230 V ~ 50 Hz
Rated operational voltage [U_e]	277 V ~ 50 Hz
Rated impulse withstand voltage [U_{imp}]	4 kV
Rated current [I_n]	16 A
Rated frequency [F_n]	50 Hz

Enclosure Specifications

Mounting support supplied	4 Wall mounting supports
Mounting type	Wall mounting
Number of charging points	up to 30
IP Degree of protection	IP55
IK degree of protection	IK10
Handling	Instructed Person
Protection against electric shock	Class 1
Design type	Enclosed assembly
Accessibility for operation	Front
Cable entries	Bottom
Dimensions	400 x 400 x 200 mm
Weight	10 Kg
Colour	RAL7035



EDGE Controller
(Version)

Features

Features	EC-B1	ES-B1
Mobile Communication (4G LTE / 3G / 2G)	✓	-
RS485 Communication (used for the condo energy meter)	✓	-
Smart Charging	✓	-
Local Ethernet Communication (used with the OCPP EV chargers)	✓	✓

Contractual Warranty

Warranty	36 months
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