

Smart Management of Electric Vehicle Charging

EC-S1



Main Specifications

Product Name	EDGE Controller
Versions	EDGE Controller (EC-S1)
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
Number of charging points	up to 120

Environment Specifications

Mounting location	Interior
Ambient air temperature for operation	-40...85 °C
Ambient air temperature for storage	-40...85 °C
Humidity conditions	5...95 %
Operating altitude	≤ 2000 m

Electrical specifications

Input voltage [U_i]	9 VDC ~ 48 VDC
Rated voltage [U_n]	24 VDC
Rated impulse withstand voltage [U_{imp}]	4 kV
Working power consumption [P_w]	6 W
Max power consumption [P_{max}]	10 W

Physical Specifications

Dimensions	128.8 x 117 x 28 mm
Weight	470 g

Package Contents

Mounting support supplied	2 Mounting supports
Mounting type	DIN-rail mounting Wall mounting
Antenna	Mag-mount Antenna

Contractual Warranty

Warranty	24 months
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