

EDGE HUB

Electrical switchboard for smart charging of Electric Vehicles

EHM, EHS1, EHS2



Main specifications

Product Name	EDGE HUB
Versions	EDGE HUB Master (EHM) EDGE HUB Secondary 1 (EHS1) EDGE HUB Secondary 2 (EHS2)
Cable communications	Ethernet RS485
Wireless communications	4G LTE / 3G / 2G Wi-Fi 2.4GHz
Communication Protocols	OCPP 1.6 OCPP 2.0 ModBus RTU ModBus TCP
Compatible EV charging modes	Modo 2 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	-5...40 °C
Ambient air temperature for storage	-20...60 °C
Humidity conditions	0...95 %
Operating altitude	≤ 2000 m

Electrical specifications

Rated voltage [Un]	230 V ~ 50 Hz 400 V ~ 50 Hz
Rated operational voltage [Ue]	415 V ~ 50 Hz
Rated impulse withstand voltage [Uiimp]	4 kV
Rated current [In]	63 A
Breaking capacity	6 kA
Rated nominal outgoing power EBPL16 – EDGE BOX Plug 16A	3.7 kW, 16 A, 230 V~ 50 Hz
Rated nominal outgoing power EBPL32 – EDGE BOX Plug 32A	7.4 kW, 32 A, 230 V~ 50 Hz
EBWB32 – EDGE BOX WB 32A	
Rated frequency [Fn]	50 Hz

Enclosure specifications

Mounting support supplied	4 Wall mounting supports
Mounting type	Wall mounting
Number of charging points	up to 6
IP Degree of protection	IP55
IK degree of protection	IK10
Protection against electric shock	Class 1
Design type	Enclosed assembly
Accessibility for operation	Front
Cable entries	Top
Dimensions	800 x 600 x 200 mm
Weight	35 Kg
Colour	RAL7035

Features	EDGE HUB (Version)		
	EHM	EHS1	EHS2
Mobile Communication (4G LTE / 3G / 2G)	✓	-	-
RS485 Communication (used for the condo energy meter)	✓	✓	-
Shut-off Coil (Floor power shutdown)	✓	✓	-

Conformity

Standards	IEC 61439-3
Certifications	CE
Patent Pending	

Contractual Warranty

Warranty	36 months
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