EDGE BEAT

Enabling communications and control across all Electric Vehicle Chargers

EB16S, EB32S, EB16T

Main Specifications

Product name	EDGE Beat
Versions	EDGE Beat Single-Phase 16 A (EB16S) EDGE Beat Single-Phase 32 A (EB32S) EDGE Beat Three-Phase 16 A (EB16T)
Communication Interfaces	Ethernet RS485 Wi-Fi Power Line
Communication protocols	ModBus RTU/ TCP OCPP 1.6
Compatible EV charging modes	Mode 2, Mode 3
Energy Metering	Class 01 MID Certified (Optional)
Smart management features	Enables communication and control for all EV chargers

Environment Specifications

Mounting location	Interior
Pollution degree	2
Ambient air temperature for operation	-5...60 ˚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 / 400 V
Rated impulse withstand voltage [U_{imp}]	4 kV
Rated current [I_n]	16 A (EB16S / EB16T) 32 A (EB32S)
Rated frequency [F_n]	50 Hz
Earthing system	TT or TNS

Enclosure Specifications

Mounting support supplied	4 Wall mounting supports
Mounting type	Wall mounting
Number of charging points	1
IP degree of protection	IP55
IK degree of protection	IK07
Handling	Instructed Person
Protection against electric shock	Class 2
Design type	Enclosed assembly
Accessibility for operation	Front
Cable entries	Bottom and Top
Dimensions	295 x 225 x 122 mm
Weight	5 Kg
Colour	RAL7035

SMART ENERGY LAB

EDGE Beat (Version)

Features	EB16S	EB32S	EB16T
Power-Line Communication	✓	✓	✓
Ethernet Communication	✓	✓	✓
Max charging Current (A)	16	32	16
System Phase Type	Single-Phase	Single-Phase	Three-Phase
Energy Metering	✓ MID Certified (Optional)	✓ MID Certified (Optional)	✓ MID Certified (Optional)
Compatible Charging Point (CP)	1-Phase Wall Socket for 16 A EV charging Wall Box 3.7 kW	1-Phase Wall Socket for 16/32 A EV charging Wall Box 7.4 kW	Wall Box 11 kW

Note: Protection devices, such as the appropriate circuit breakers and residual current devices, must be installed during installation and commissioning.

Contractual Warranty

Warranty	36 months

Product Datasheet