

Edge Smart Charging

Integrate, optimize, and scale your EV infrastructure

Product sheet 202501



About Edge

Edge by Last Mile Solutions is a smart charging platform for scalable energy management. It operates seamlessly across various environments, from factory sites and large office parking lots to expansive energy ecosystems.

Edge integrates charging stations, solar panels, buildings, and other assets into one system. It supports all OCPP-compliant chargers, Ecotap controllers, and EVBox G2 & G3 stations. With dynamic load balancing, it creates a single, intelligent grid.

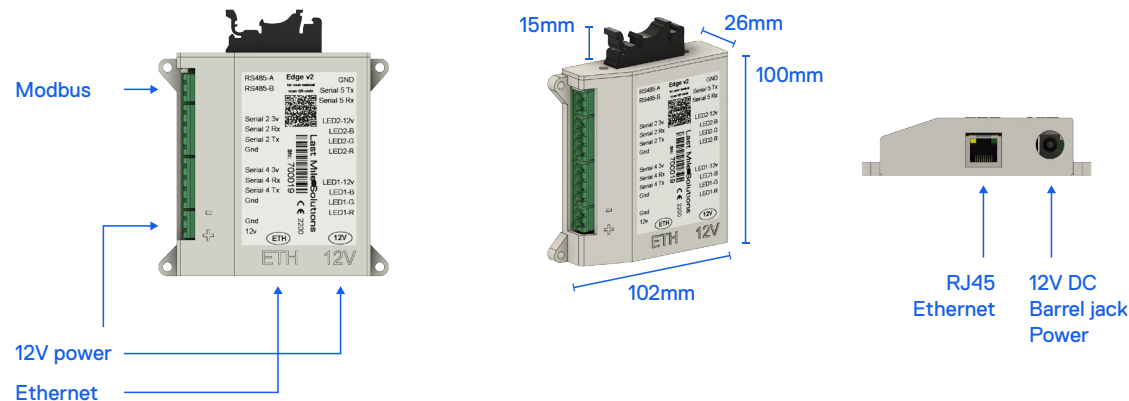
Easy to install and configure, Edge helps partners accelerate the energy transition with smarter, more efficient charging.

Specifications

Edge product includes	<ul style="list-style-type: none"> • Access to Edge Manager, a cloud-hosted software application for managing your Edge device(s) • The physical Edge device, including power supply
Ports	<ul style="list-style-type: none"> • All connectors are 5.08mm right angle terminal block connectors • 1x 12V connector • 1x 12V DC power jack • 1x Eth: The RJ45 10/100 mb Ethernet connector • 1x RS485-A/B: Modbus connection+ 120Ω termination resistor built in • 1x Serial 2 3.3V TTL serial • 1x Serial 4: 3.3V TTL serial • 1x Gnd and 12V: 1 of the 2 connectors for supplying Edge with power • 1x Serial 5: 3.3V TTL serial connector 115200 baudrate • LED1 and 2: Maximum current sink per pin: 20mA
Dimensions	<ul style="list-style-type: none"> • 02 x 115 (100 without DIN rail) x 26 mm

Power supply	<ul style="list-style-type: none"> • Via adapter 230Vac -> 12Vdc
Power consumption	<ul style="list-style-type: none"> • Idle power 150mA • Peak power 400mA • POE: No.
Weight	<ul style="list-style-type: none"> • 140g
DIN rail compatible	<ul style="list-style-type: none"> • IEC/EN 60715 TH35
Environmental	<ul style="list-style-type: none"> • Operating temperature range: -40°C to +85°C • Storage temperature range: 0°C to +40°C • Relative humidity during operation: < 95% (non-condensing) • Ingress Protection: <IP20 • Ingress Protection: <IP44 or higher possible when assembled in polyester enclosure
Supported Protocols & Assets	<ul style="list-style-type: none"> • Any (combination) of the following: • OCPP1.6 charge points (AC/DC) • Ecotap Controllers in LMS mode firmware-version 27.58 or 27.59 • EVC5 supervisor protocol • EVBox stations G2/G3 dedicated RS485 connection incl physical RS485 cable • Solar Spec: General interface for Inverters • Modbus RTU: Main form of communication with energy meters. • Modbus TCP: Alternative form of communication with energy meters.
Number of Charging stations per Edge	<ul style="list-style-type: none"> • Maximum of 200
Number of Connectors Per Edge	<ul style="list-style-type: none"> • As many connectors as the 200 chargepoints have
Reconfiguration needed when adding extra charge station	<ul style="list-style-type: none"> • No, Edge will reconfigure chargepoints automatically • Only backoffice endpoint has to be configured and set to the local edge controller: ws://edge.lan/#SN#
Configuration Backup	<ul style="list-style-type: none"> • Every 24 hour • Manual

Management interface	<ul style="list-style-type: none"> Secure public login from anywhere. Insight in all owned Edge controllers Visual grid configuration Real time insight into the power flow Real time graphs Demo mode 	Offline management – uptime guarantee	<ul style="list-style-type: none"> Yes, own card database for offline authorization of all connected charge points. EDGE will sync transactions when back online with backoff Offline mode allows: Soft/hard reset, block/unblock, remote Start/stop transactions, retrieve status, Request and change Parameters, retrieve diagnostics, Upload new firmware
Load balancing Options	<ul style="list-style-type: none"> Balance a grid based on Current (Default), Active Power, Apparent Power or KW-limits Support multiple grids per Edge Support for grids within grids Support for energy meters in grids (or subgrids) Flexible real-time insight in the MI Control Grids externally using the API Support for Solar charging Support for Flexible opening hours (Dynamic limits) Support for Chargeprofiles on grids as well as on chargepoints Support for Export limits and curtailment on solar inverters Support for peakshaving by intergrating with battery installations Support priority charging for station – card- (ad-hoc) session 	API	<ul style="list-style-type: none"> Yes, when Edge is updated to V1.24.5 and higher Public and Local API- create custom integrations with your UI and IT
		Internet security	<ul style="list-style-type: none"> 4G router that offers separate secure LAN network (recommended) Private network (VLAN)
		Available Accessories (optional)	<ul style="list-style-type: none"> Power supply 75w, 12 VDC, 6,25A Modbus Energy meter (incl 3x trafo 100A/250A/400A) 8 Ports DIN Rail ethernet switch LTE Router installation case 180x270mm Din rail Modbus + Serial gateway
		Pre assembly of set available	<ul style="list-style-type: none"> Yes



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Scan the QR code to access the Edge video channel, including an introduction video and installation guide.


Last Mile Solutions

With over 15 years of experience, Last Mile Solutions is Europe's leading EV charging and energy transaction management platform. Connecting over 221,000 charge points directly, supporting more than 820,000 roaming points, and processing over 3.5 million transactions monthly across 22 countries, we help turn energy into value. Our independent white-label financial services and comprehensive e-mobility platform empower businesses to thrive in the energy transition.

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