

EDGE Smart Charging

Integrate, optimize, and
scale your EV infrastructure

Product sheet 202602

Last Mile Solutions



About EDGE

EDGE by Last Mile Solutions is a smart charging platform designed for scalable energy management. It operates seamlessly across a wide range of environments, from factory sites and large office parking facilities to complex, multi-asset energy ecosystems. EDGE brings charging stations, energy meters, batteries, solar inverters, buildings, and other energy assets and software together in one unified system. Easy to install and configure, EDGE enables partners to accelerate the energy transition with smarter, more efficient, and more reliable charging infrastructure.

EDGE unlocks your site potential:

- ✓ Scale instantly during grid congestion without waiting for expensive infrastructure upgrades
- ✓ Win complex site bids by overcoming grid limitations that stall your competitors
- ✓ Eliminate peak demand penalties by automatically enforcing site-wide energy power limits
- ✓ Modernize without "rip-and-replace" by integrating EDGE seamlessly with your legacy systems

Specifications

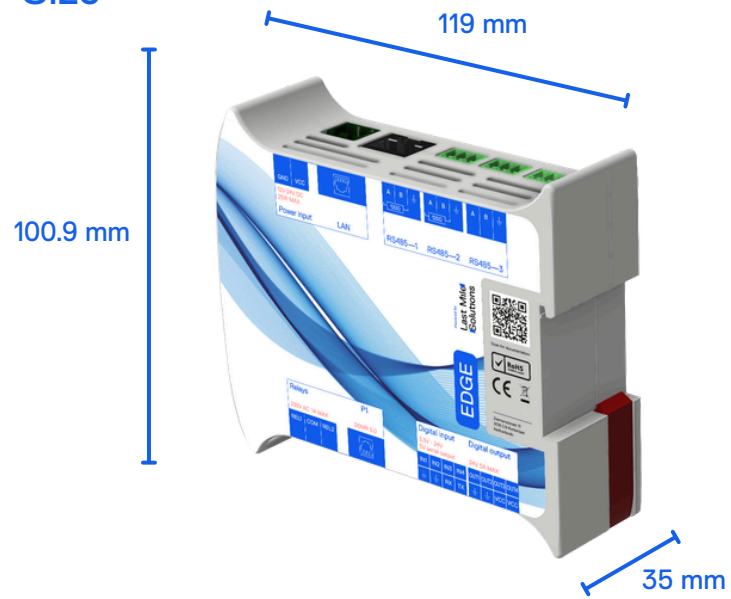
EDGE product includes	<ul style="list-style-type: none"> • Access to EDGE Manager, a cloud-hosted software application for managing your EDGE device(s) • The physical EDGE controller, including power supply
Ports	<ul style="list-style-type: none"> • 12V – 24V power input • RJ45 Ethernet interface • 3x RS-485 interface (2x with build-in 120Ω termination resistor) • Galvanically isolated & IEC 61000-4-5 Class 4 input protection • 2X AC solid state relays (230VAC 1A max) • P1 DSMR port for smart meters. Compatible with DSMR5.0 smart meters. • 4x Digital input (3.3V – 24V) • 4x Digital output (Max 24V, requires external power input) • 1x Serial interface (RX, TX)
Dimensions / weight	<ul style="list-style-type: none"> • 100.9mm x 119mm x 35 mm / 176 gram

Power supply	<ul style="list-style-type: none"> • 12V – 24V via AC adapter or DIN rail power supply.
Power consumption	<ul style="list-style-type: none"> • 25W max • 5W idle
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	<p>Any (combination) of the following:</p> <ul style="list-style-type: none"> • OCPP1.6 charge points (AC/DC) • Ecotap 4.2 controllers with LMS protocol (firmware version 27.58 or 27.59) • Ecotap-5.0 controller using supervisor protocol • EVBox stations G2/G3 dedicated RS485 connection (incl physical RS485 cable) • Modbus TCP for chargers (Peblar modbus & Kreisel Chimaro) • Solar Spec: interface for solar inverters • Modbus RTU: communication with energy meters, batteries and solar inverters • Modbus TCP: communication with energy meters, batteries and solar inverters • P1 DSMR: interface for smart meters (Available on residential and small business locations in the Netherland and Belgium)
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

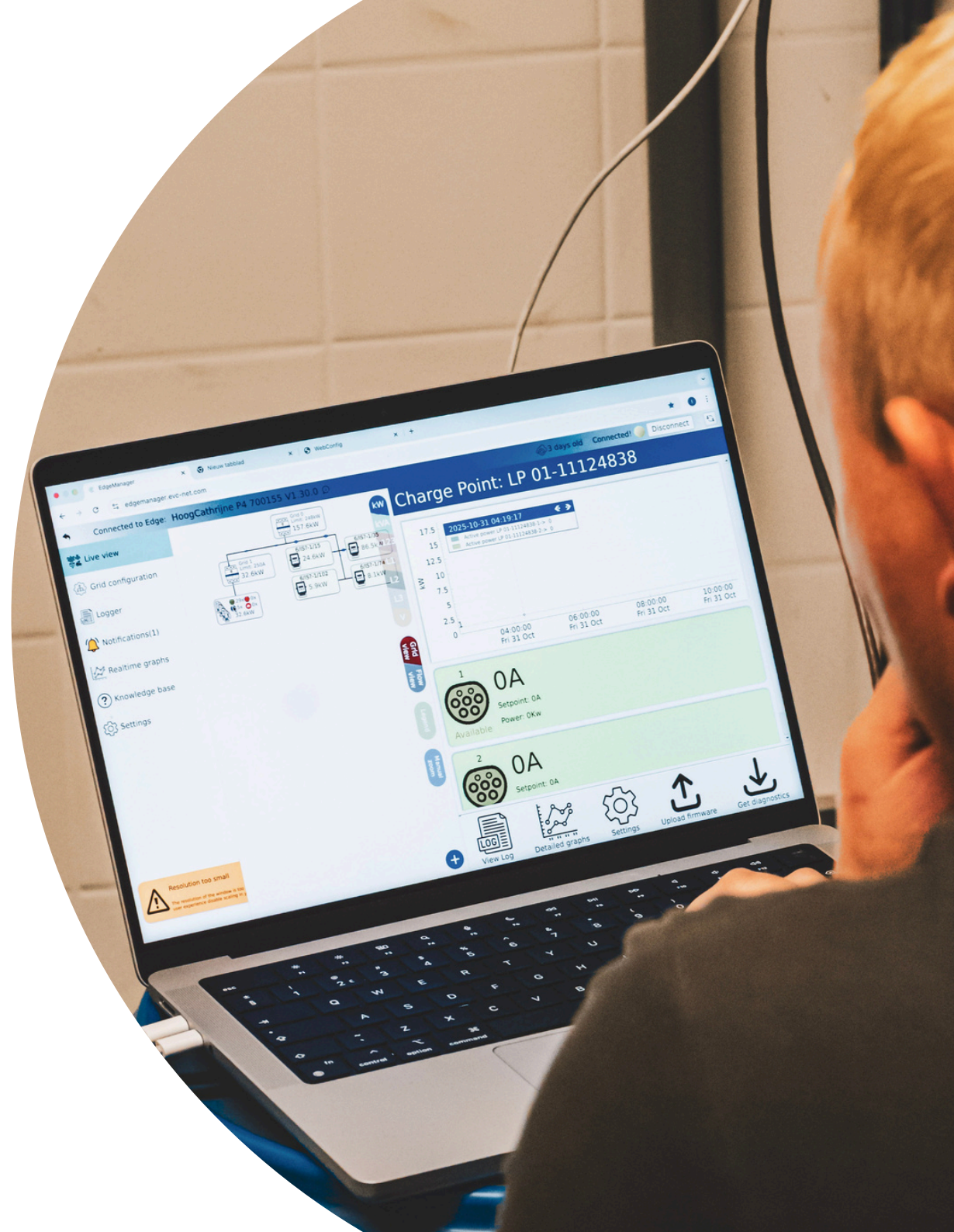
Reconfiguration needed when adding extra charge station	<ul style="list-style-type: none"> No, EDGE will reconfigure chargepoints automatically Only backoffice endpoint has to be configured and set to the local edge controller: ws://edge.lan/#SN#
Configuration Backup	<ul style="list-style-type: none"> 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
Load balancing Options	<ul style="list-style-type: none"> Balance a grid based on Current (Default) Balance based on active power or apparent power 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
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 backoffice Offline mode allows: Soft/hard reset, block/unblock, remote Start/stop transactions, retrieve status, Request and change Parameters, retrieve diagnostics, and upload new firmware

Energy storage control options	<ul style="list-style-type: none"> Support for Peekshaving and self-consumption Possibility to combine Peekshaving and self-consumption in a single strategy Support for different strategies for different time ranges and week days. Support for off-grid operation Support for external control (API or Modbus), EDGE will always safeguard the grid limits
Interoperability	<ul style="list-style-type: none"> REST API (local and public) Modbus server (Local control with Modbus RTU slave or Modbus TCP server) OCPP1.6 charging profile
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)
Compliance	<ul style="list-style-type: none"> Regulatory: CE, REACH, RoHs EMC: EN61000-6-1, EN61000-6-3 Enclosure material: PC/ABS UL94V-O Support for §14a EnWG input with FNN control box
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

Size




Connectors



Last Mile Solutions


Turning Energy into Value

With over 15 years of experience, Last Mile Solutions is Europe's leading EV charging and energy transaction management platform. Connecting over 325,000 charge points directly, supporting more than 1.000.000 roaming points, and processing over 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.

 www.lastmilesolutions.com

 info@lastmilesolutions.com

 +31 10 436 50 65

 Zeemansstraat 11
3016 CN Rotterdam
The Netherlands

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