

EVSE-SC-01 SHIPPED

Edge Load Balancer

First-generation site controller. Measures the main connection with three CT clamps and dynamically limits up to 4 Edge charge controllers over Modbus so the site never exceeds its main fuse. WiFi to the EdgeTech platform and the MyCharger app.



DIN-rail module, clamp inputs C1-C3



Terminal side: RS485 bus, supply



One of the 3 split-core current transformers included, up to 40 A



Arrow: direction of current; the latches hold the clamp closed around the conductor

IN SHORT

A DIN-rail module for the distribution board that watches the main connection with three current clamps, supplied with it, and tells each charge controller, every second, how much current it may draw. Four charge points on a 3×25 A connection can all be plugged in; the load balancer splits what is left after the house or building has taken its share.

The module connects over WiFi to the EdgeTech platform, which gives users the MyCharger app (start/stop, off-peak charging, consumption overview, automatic invoicing) and gives installers remote diagnostics and firmware updates.

PRICE € 145 excl. VAT

CAD STEP and drawing: edgetech.eu/cad/evse-sc-01.step

KEY FACTS

SPECIFICATION	VALUE
Charge points	Up to 4 EVSE-C-3x32A on one RS485 bus
Site measurement	3 CT clamps on inputs C1, C2, C3: the household (mains) current per phase, up to 40 A per phase; CTs for higher currents on request
Modbus kWh meter	On request: EVSE-SC-01 with a DIN-rail Modbus kWh meter instead of the CT clamps, on the same Modbus cable as the charge controllers (for example where clamps don't fit in the cabinet)
Current transformers	3 split-core CTs included; 23 × 40 × 26 mm (lid 14 mm), conductor opening 9 mm, 40 cm lead
Load balancing	Per-second current limit per charge point, site limit configurable up to the main fuse, minimum 6 A per car, start threshold 8 A
Fieldbus	Modbus RTU master, RS485, 9600 8N1
Bus cable	3 × 0.75 mm ² multi-core (stranded). No solid-core cable and no raw Ethernet cable in the terminals; Ethernet only with RJ45 connectors (adapter board on request)
Connectivity	WiFi IEEE 802.11 b/g/n, 2.4 GHz only; MQTT over TLS with a per-device pre-shared key
Module	WiFi module (2.4 GHz)
Supply	90–300 V AC, 50 Hz, 300 mA / 3 W, powered from the distribution board
Dimensions	90 × 54 × 58 mm, DIN-rail enclosure (3 modules)
Enclosure rating	IP00, Class I; install inside the distribution board behind a fuse
CE	EU declaration of conformity, site controller (2022-001): LVD, EMC, RoHS, EN 301 489-1/-17, EN 300 328, EN 62311
Made in	Europe

Test it in your project: info@edgetech.eu

Full specifications: edgetech.eu/products/evse-sc-01