MaxiCHARGER Gen2



DATA SHEET

MaxiCharger Gen2

Smart Digital AC 7kW / 22kW

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0330 058 7144

AC 7.4kW / 22kW

MaxiCHARGER

Perfect for workplace, shared residential, and fleet environments. Featuring on-screen charging insights, MID metering, and seamless back-office integration for energy and cost control.



Load Balancing
Adjusts your charger's power output in real-time.

OCPP Integration
Allowing your MaxiCharger to communicate with other devices.

Tap & Charge (RFID)
RFID tap-to-start, user ID & payment support.

MID Meter
MID-approved meter built in for billing-grade accuracy (±1%).

PME & Fault Detection
User safety without the need for expensive ground rods.

OZEV Grant Approved
Help cover the cost of installing your MaxiCharger at your property.

Solar Integration
Charge your vehicle using free renewable energy.

Fully Compliant
Your MaxiCharger is fully compliant with the electric vehicles regulations.

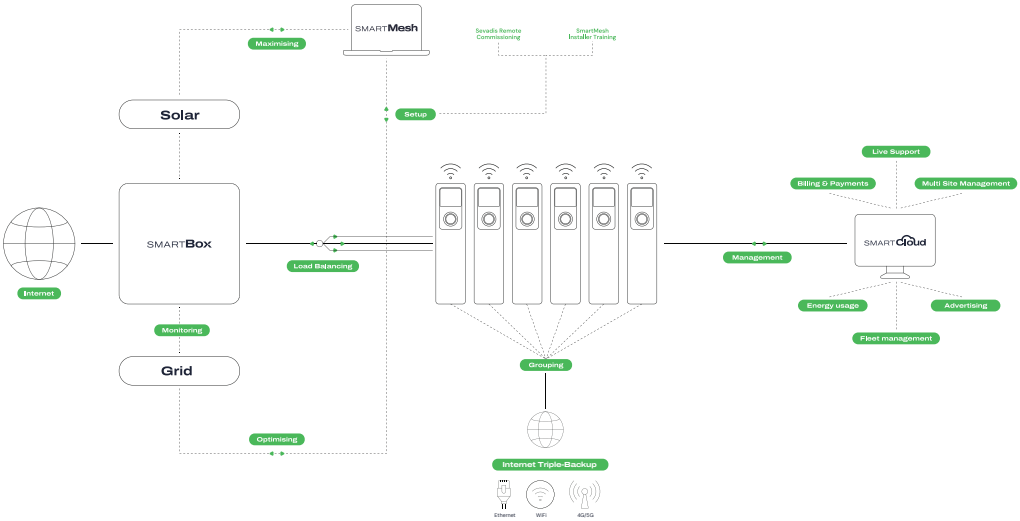
3 Year Warranty
Covered by a 3-year warranty as standard.

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MaxiCHARGER Gen3

Smart commercial charging ecosystem



SMARTBox

An energy monitoring kit for site wide optimisation

A measuring device that constantly monitors the flow of energy across a site using CT clamps placed around the power cables. By measuring that energy flow in real time, it effectively puts the brain into the energy ecosystem, providing data to other devices and software platforms, enabling control, optimisation and intelligent energy management.

SMARTMesh

Site-wide reliable connectivity, simplified

A daisy-chaining low-frequency radio signal (not Wi-Fi) that connects chargers across a site, allowing for longer range and better penetration through walls and buildings.

The signal passes from charger to charger, enabling each charger to communicate in a mesh for more effective load balancing and diagnostic support functionality.

Once connected as a single network, settings can be applied and cloned removing the need to set up each charger individually.

SMARTCloud

Management of your EV Chargers

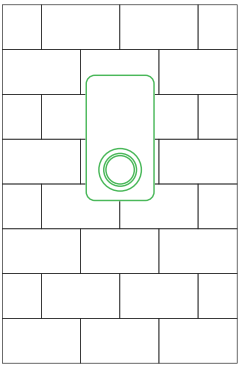
This is the post-setup, ongoing management layer for a site (or multiple sites) of EV chargers through a backend EV management software platform.

It allows asset controllers to apply settings, billing structures and user permissions, create charging rules, manage on-screen advertising, and monitor energy usage, performance and costs across the network.

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Modular by design

We offer a versatile range of mounting and protection options to suit any environment. Install up to four chargers on a single pillar by utilising all faces, or configure pedestals for back-to-back dual installations to maximise space efficiency.



Wall



Pillar



Pedestal

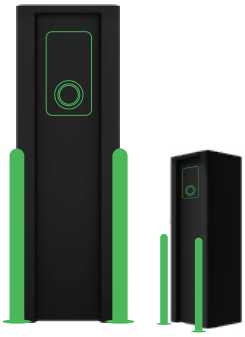


Quad

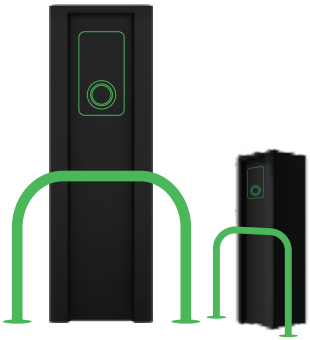


Dual

Protection examples



Posts



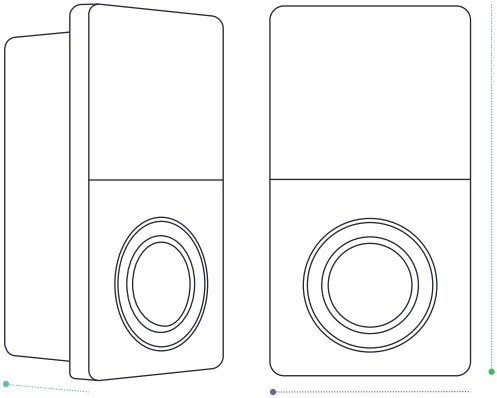
Bar



Housed

Product Overview

- Height: **315mm**
- Width: **170mm**
- Depth: **117mm**





Product name	Product code	Connection type	Charging power	Input/output voltage
MaxiCharger Gen 2 AC 7.4kW Digital	EVASEV4G7	Type 2 Socket	Single phase: 7.4kW	Single Phase: 230V~+15%
MaxiCharger Gen 2 AC 22kW Digital	EVASEV4G22	Type 2 Socket	Three phase: 11kW / 22kW	Three Phase: 400V (3x230V) +15% Single Phase: 230V~+15%

Technical Data

	EVASV4G7 / EVASEV4G22
Charging type	Mode 3, Type 2
Rated current	32 A/16A
Rated frequency	50Hz
Grounding system	TN,TT,IT
Ground fault detection	AC 30mA + DC 6mA
Protection	Overcurrent, overvoltage, undervoltage, integrated surge protection
PME fault detection / pen protection	Yes (incorporated within the unit)
Load management	Integrated static load management / Dynamic load balancing capabilities
Metering accuracy	±1%, MID
Material	Plastic, full specification upon request
IP & IK rating	P54, IK10
Operating altitude	2000m
Operating temp range	-30°C~50°C
Storage temp range	-40°C~70°C
Weight	EVASEV4G7: 2.70 kg EVASEV4G22: 3.10 kg
Dimensions (h×w×d)	315mm x 170mm x 117mm
Communication protocols	OCPP 1.6J, OCPP 2.0.1
Connectivity	4G, Wi-Fi, Bluetooth, Ethernet, RS-485 Wi-SUN
User authentication	Plug & Charge, Autocharge, RFID, APP
Card reader	ISO 15693, ISO 14443 A/B
Screen	EVASEVLCD 800mm x 480mm touchscreen EVASEV4G22 700mm x 440mm digital screen EVASEV4G7 700mm x 440mm digital screen
Ambient light sensor	Yes
Vehicle communication	ISO15118-2/20
Phase balancing	4G (22kW only)
Colour	Black & Grey
Safety standards	EN/IEC 61851-1; EN/IEC 62196-2 (Type 2 interface); EN/IEC 62955 (RDC-DD); EN IEC 61851-21-2; EN 62311; EN 62479; EN 50470-1/-3 (metered SKUs); EMC Class B; EN 300 328; EN 300 330; EN 301 489-1/-3/-17/-52; EN 301 908-1/-13
Certification	CE & UKCA (Declaration of Conformity based on the above EN/IEC standards). UK: compliant with the Electric Vehicles (Smart Charge Points) Regulations 2021 (Schedule 1
Warranty	3 years

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