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DATA SHEET

# MaxiCharger Gen2

## Smart LCD AC 22kW

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.



#### Tap & Charge (RFID)

RFID tap-to-start, user ID & payment support.



#### Load Balancing

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



#### OCPP Integration

Allowing your MaxiCharger to communicate with other devices.



#### MID Meter

Accurate billing with a built in MID Meter.



#### 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

Power your vehicle using free, renewable energy.



#### Fully Compliant

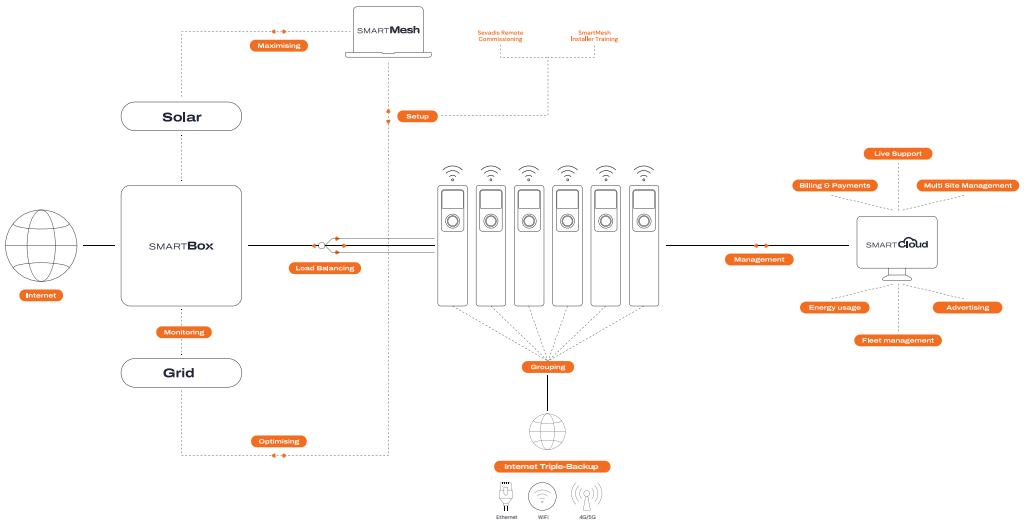
Your MaxiCharger is fully compliant with the electric vehicles regulations.



#### 3 Year Warranty

Your MaxiCharger is covered for 3 years with additional years available to buy.

# 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

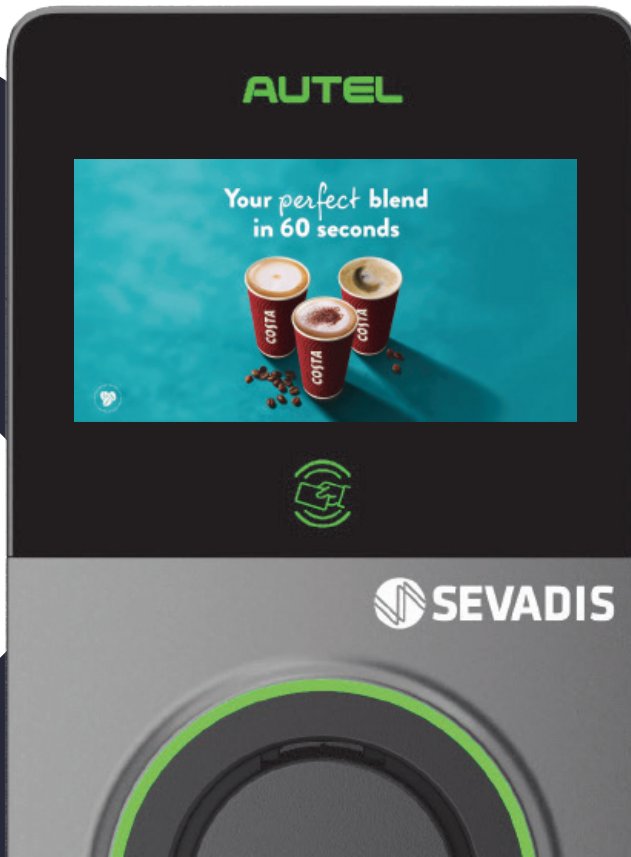
This is the post-setup, ongoing management layer for a site (or multiple sites) of EV chargers through a backend EV management software platform.

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.

# Advertise in direct eyeline to new customers

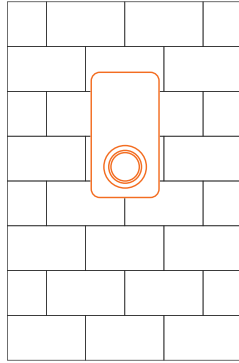
**Offer paid advertising space on your charger.**

Turn idle waiting time into undeniable sales! Our vibrant EV charger screens put your brand front-and-centre for a highly engaged, premium audience with time to spare. Because drivers naturally check the screen to monitor their charging status, your message enjoys your message enjoys guaranteed viewing. It's a smart, eye-catching way to captivate an audience, build instant brand connection, and drive ready-to-spend customers straight to your business



# 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

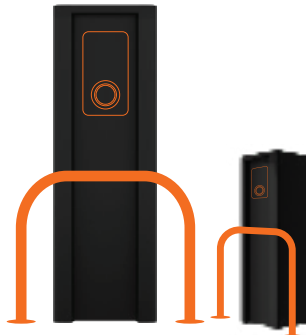


Dual

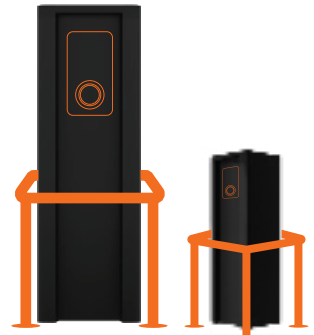
## Protection examples



Posts



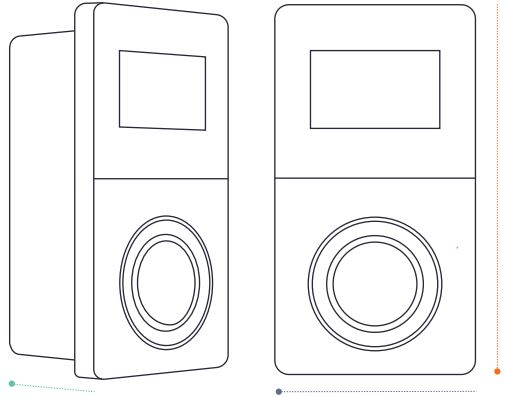
Bar



Housed

# Product Overview

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



| Product name                     | Product code | Connection type | Charging power                                  | Input/output voltage                                       |
|----------------------------------|--------------|-----------------|-------------------------------------------------|------------------------------------------------------------|
| MaxiCharger Gen 2<br>AC 22kW LCD | EVASEVLCD    | Type 2 Socket   | Three phase: 11kW / 22kW<br>Single Phase: 7.4kW | Three Phase: 400V (3x230V) +15%<br>Single Phase: 230V~+15% |

# Technical Data

|                                         | EVASEVLCD                                                                                                                                                                                                                    |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 /<br>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                          | IP54, IK10                                                                                                                                                                                                                   |
| Operating altitude                      | 2000m                                                                                                                                                                                                                        |
| Operating temp range                    | -30°C~50°C                                                                                                                                                                                                                   |
| Storage temp range                      | -40°C~70°C                                                                                                                                                                                                                   |
| Weight                                  | EVASEV4G22: 3.10 kg EVASEVLCD: 3.20 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                                                                                                                                                                                          |
| Ambient light sensor                    | Yes                                                                                                                                                                                                                          |
| Vehicle communication                   | ISO15118-2/20                                                                                                                                                                                                                |
| Phase balancing                         | LCD & Digital Only 3 phase units only or on LCD                                                                                                                                                                              |
| 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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