MaxiCHARGER Gen2



DATA SHEET

MaxiCharger Gen2

AC Ultra (22kW Dual Charger)

AUTEL UK Authorised Distribution Partner | SEVADIS POWERING ELECTRIC VEHICLES

0330 058 7144



Wall Mounted



Floor Standing

Perfect for on-street, parking and public charging environments, with integrated RFID, payment terminal and user recognition. Advanced back-office support includes custom screen prompts, two-way voice, 98%+ uptime technology, network self-healing, dual SIM redundancy and SmartMesh connectivity for super-fast, one-click site commissioning.

Product Features



Warranty 2 year Warranty

Approved MID Approved

Hardware Reliability

Triple protection with 32 safety tests and 2-year warranty ensure reliable hardware.

Smart Charging

Supports 200-unit DLB and phase balancing, increasing power utilisation by 10%.

Flexible Billing

Supports 9 payment methods including PnC and Autocharge, compatible with 9 major POS devices.

Operation Reliability

Triple network backup and Wi-Sun redundancy ensure zero-interrupted network.

SmartMesh Commissioning

Supports 10-minute site-level mass commissioning.

SmartCloud Protocol

Support ISO15118-2/20, OCPP 1.6J & 2.0.1, with future expansion to OCPP 2.1.

Maintenance Reliability

Fully modular architecture ensures single component replacement in less than 10 minutes by one person.

SmartVoice Broadcast

Two way audio calls for live on-site support.

Solar & Battery Integration

PV-ESS-EVSE-Grid-Cloud seamless integration, V2G ready.

Dual Socket

Features left and right sockets for dual parking bays, delivering up to 22kW simultaneously to each vehicle.

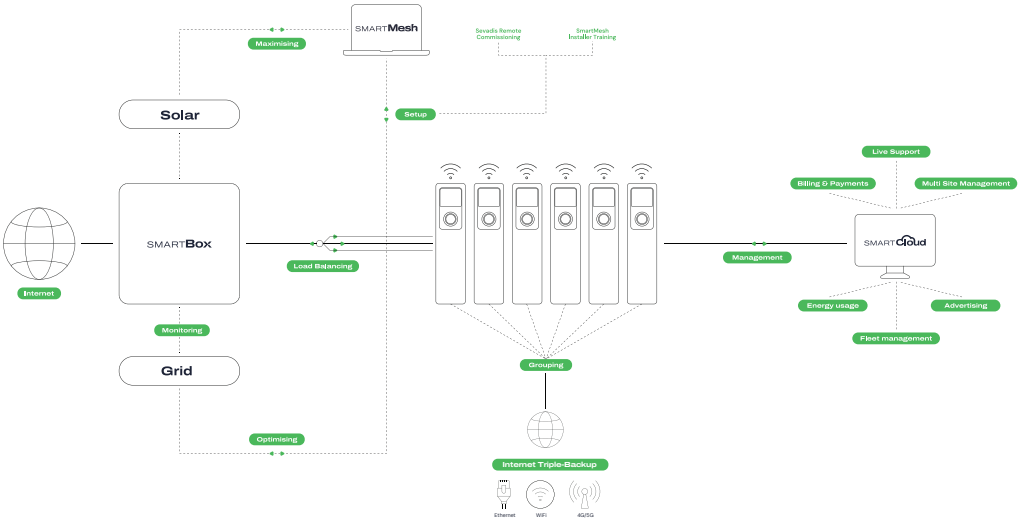
Load Balancing

Advanced commercial site load balancing with static, dynamic and cloud-based control via SmartBox.

Self-healing

Automatic self-healing protocol in the event of site network dropout, with no remote or manual intervention required.

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 guaranteed viewing. It's a smart, way to captivate an audie, build instant brand connection, and drive ready-to-spend customers straight to your business.



SMARTCloud

Putting your users in control of their EV Chargers*

Pricing Models	Customise the billing structure and pricing across your entire charging network.
Payment Options	Accept payments via Google Pay, Apple Pay, credit card, team wallet or charging cards.
Dynamic Pricing	Automatically adjust charging prices based on fluctuating electricity costs.
Membership Models	Create tailored pricing and access models for teams, employees or customers.
Booking System	Allow drivers to reserve charging bays in advance to guarantee availability.
User Management	Control access, permissions and charging behaviour for employees, visitors and public users.
Fleet Tracking	Monitor fleet charging activity, energy usage and driver behaviour across you network.
Custom User Experience	Tailor the charging experience with customised pricing, access rules and branding.
App Integration	Connect your network to popular chargepoint finder apps such as Zapmap.
LCD Advertising	Generate additional revenue by displaying adverts on charger LCD screens.
Charger Health	Monitor chargers across your network for faults, dropouts and operational status.

* Dependant on back office selected



SMARTvoice

Two way audio calls, on-site, straight from the charger.

SmartVoice Broadcasting Support

Two-way audio connects users directly to the Charge Point Operator for instant, real-time support. If help is needed, drivers can speak to a live team straight from the charger, no apps, no delays, no uncertainty. It ensures issues are resolved quickly, reduces downtime, and delivers a smoother, more reliable charging experience across every site.



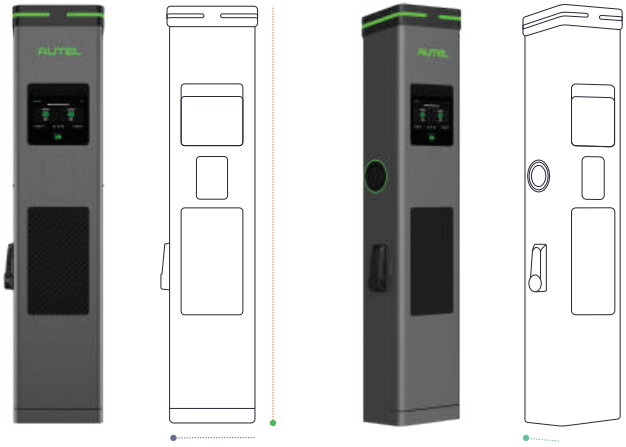
Product Overview

Wall Mounted



● Height: **701mm** ● Width: **318mm** ● Depth: **208mm**

Floor Standing



● Height: **1452mm** ● Width: **318mm** ● Depth: **208mm**

Product name	Product code	Power output	AC input / output voltage	Dimensions HxWxD
AC Ultra Gen 2 Wall Mounted	EVASEVUW	2x22kW	400V(3×230VAC)~±15%, 3-phase, 50/60Hz 230V~±10%, 1-phase, 50/60Hz	701 x 318 x 208 mm
AC Ultra Gen 2 Wall Mounted With Card Reader	EVASEVUWP	2x22kW	400V(3×230VAC)~±15%, 3-phase, 50/60Hz 230V~±10%, 1-phase, 50/60Hz	701 x 318 x 208 mm
AC Ultra Gen 2 Floor Standing	EVASEEVUF	2x22kW	400V(3×230VAC)~±15%, 3-phase, 50/60Hz 230V~±10%, 1-phase, 50/60Hz	1452 x 318 x 208mm
AC Ultra Gen 2 Floor Standing With Card Reader	EVASEEVUFP	2x22kW	400V(3×230VAC)~±15%, 3-phase, 50/60Hz 230V~±10%, 1-phase, 50/60Hz	1452 x 318 x 208mm

Technical Data

	AC Ultra (22kW Dual Charger)
AC power output rating	2*22kW
Input/output voltage	400V(3×230VAC)~±15%, 3-phase, 50/60Hz or 230V~±15%, 1-phase, 50/60Hz
Circuit breaker options (A)	80A
Input power connections	3P+N+PE 50/60Hz or 1P+N+PE 50/60Hz
Network type	TN, TT, IT
Input cord	Hardwired
Connector type	IEC 62196 Type 2 Socket
Ground fault detection	Type A 30mA + DC 6mA
Protection	Overcurrent, Overvoltage, Undervoltage, Integrated Surge protection, PEN protection
Card reader	ISO 15693, ISO 14443 A/B
Vehicle communication	ISO15118-2/20
Metering accuracy	±1%, MID
Authentication methods	PnC, Autocharge, Credit Cards (Optional), RFID, APP
Corrosion resistance grade	C5-M (ISO 12944, resistance to neutral salt spray corrosion for 720h)
IP & IK rating	IP55, IK10
Operating altitude	2000m
Operating temp range	-30°C~50°C
Storage temp range	-40°C~70°C
Weight	Wall mounted: 22kg Floor Mounted: 35.5kg
Mounting	Wall mounted or Floor standing
Operating humidity	<95%, Non-Condensing
Enclosure material	Aluminium profile
Ambient light sensor	Yes
Status indication	8 inch, 1280*720 touch screen
Voice broadcast	Voice with 2 speaker, 4 microphone array
User interface	Autel Charge APP, Autel Charge Cloud
Connectivity	5G(Optional), 4G, Wi-Fi, Ethernet, RS485, Wisun
Communication protocols	OCPP 1.6J, OCPP 2.0.1, OCPP2.1 Upgradable
Software update	OTA updates via web portal
Safety standards	IEC/EN 61851-1, EN 62311, EN 62479, IEC/EN 62955, NEN-EN-IEC 61439-7
Codes and standards	EMC Class A
Regulations	AFIR-compliant
Warranty	2 years

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