

Charging infrastructure built to earn

EV Ultra DC chargers for depots, fleets and business sites

smappee

The challenge

Every charger you install should pay you back

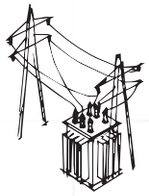
EV adoption is accelerating, and drivers now expect fast, reliable charging wherever they go. That's an opportunity, if your infrastructure can handle it.

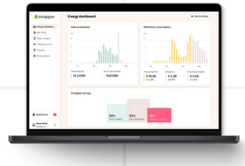
Too many charging projects stall on the same four issues:

- Grid limitations
- Rising energy costs
- Peak demand charges
- Operational uptime

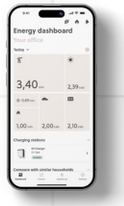
Installing chargers is the easy part. Making them profitable, resilient and low-maintenance, that's the real challenge, and it's the one EV Ultra is built to solve.

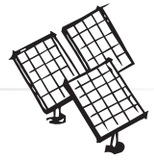




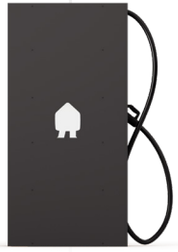












Fast charging is only part of the story

Power matters but how energy is managed across your site makes the difference.

The EV Ultra combines high-performance DC charging with energy intelligence, helping businesses optimise energy use, reduce operating costs and prepare for future growth.

Working together with Smappee's Energy Management System, the EV Ultra aligns charging demand with site consumption, solar production, battery storage and available grid capacity.

By continuously balancing energy flows across the site, the EV Ultra helps:

- Optimise self-consumption of solar energy
- Reduce peak demand charges
- Make better use of available grid capacity
- Improve operational efficiency
- Support long-term charging profitability

Why EV Ultra

Built for profitable charging operations

Delivering successful charging infrastructure requires more than fast charging alone. The EV Ultra combines operational reliability, intelligent energy management and a seamless user experience to help businesses maximise performance, control costs and prepare for future growth.

Maximum uptime

Reliable industrial-grade hardware engineered for demanding charging environments and high utilisation.

Flexible infrastructure

A future-ready DC charging platform that adapts to changing business needs and growing charging demand.

Optimised energy use

Dynamic load balancing and intelligent energy management help reduce charging costs and make better use of available grid capacity.

Integrated energy ecosystem

Seamless integration with energy management, solar production, battery storage and AC charging enables site-wide energy optimisation.

Effortless charging

Simple charging starts with intuitive design.
Drivers can connect, authenticate and start charging in seconds, while a clear interface provides transparent information about charging power, energy delivered and charging costs throughout the session.









EV Ultra at a glance

The EV Ultra combines charging performance with operational intelligence

Key capabilities include:

- 40 to 240 kW, CCS2 connector, charging up to 10 times faster than standard AC
- Dynamic load balancing across AC and DC, so your connection is never overloaded and you serve more drivers on the same grid
- Remote monitoring and diagnostics
- One smart platform for sessions, rates and payments, with lifetime free over-the-air updates and centralised charging management
- OCPP-compliant connectivity
- Integrated charging and energy ecosystem, meaning that charging adapts each session in real time and spreads energy use when possible, while ensuring vehicles are ready on time

Built to deliver reliable charging performance today while preparing your infrastructure for tomorrow.

Full visibility. Full control.

Manage your charging infrastructure from a single platform

Monitor charging sessions, define charging priorities, track energy consumption and optimise site performance in real time.

With complete visibility across your charging environment, you can make smarter operational decisions and maintain control as your infrastructure grows.



Elegance built for operational charging environments

EV Ultra combines high performance with an ultra-slim, architectural design. It takes up minimal space and keeps your site clean and organised, without bulky infrastructure. A refined solution that brings performance and design together for every type of site.

The EV Ultra is designed to support a wide range of charging environments where aesthetics, performance, reliability and efficiency are critical.

Small CPOs & business locations

Offer convenient fast charging without inheriting an energy bill you can't predict. Our platform manages costs automatically, so you don't need an energy specialist on staff to keep it profitable.

Fleet depots & logistics

Ensure every vehicle is charged and ready for its route, without triggering costly grid upgrades or blowing your peak demand budget. Dynamic load balancing means more vans on the same connection, not a bigger one.

Hospitality & retail destinations

Give guests a premium charging experience that matches your brand, installed without unnecessary grid upgrades, and running quietly in the background while they enjoy their visit.

Technical specifications

EV Ultra









	80S	240S	40D	120D
Physical features				
Dimensions (h × w × d)	1,870 × 920 × 325 mm	1,870 × 920 × 325 mm	1,870 × 920 × 325 mm	1,870 × 920 × 325 mm
Weight	230 kg	330 kg	240 kg	340 kg
Material	Powder coated Magnelis	Powder coated Magnelis	Powder coated Magnelis	Powder coated Magnelis
Colour	● RAL 7021, ○ RAL 9016	● RAL 7021, ○ RAL 9016	● RAL 7021, ○ RAL 9016	● RAL 7021, ○ RAL 9016
Mounting method	Ground	Ground	Ground	Ground
User interface	6.5″ RGB display	6.5″ RGB display	6.5″ RGB display	6.5″ RGB display
DC output				
Connector	CCS2	CCS2	CCS2	CCS2
Cable length	1 × 3.25 m	1 × 3.25 m	2 × 3.25 m	2 × 3.25 m
Max power	1 × 80 kW	1 × 240 kW	2 × 40 kW	2 × 120 kW
AC input				
Main power	3 × 400 V + PE / 120 A	3 × 400 V + PE / 350 A	3 × 400 V + PE / 120 A	3 × 400 V + PE / 350 A
Auxiliary power	3 × 400 V + N + PE / 10 A	3 × 400 V + N + PE / 10 A	3 × 400 V + N + PE / 10 A	3 × 400 V + N + PE / 10 A
Rated frequency (f_N)	50 Hz	50 Hz	50 Hz	50 Hz
Power factor	> 0.98 at full operating speed	> 0.98 at full operating speed	> 0.98 at full operating speed	> 0.98 at full operating speed
Efficiency	> 95% at full operating speed	> 95% at full operating speed	> 95% at full operating speed	> 95% at full operating speed
Standby power	35 W	35 W	50 W	50 W
Connectivity				
Ethernet	100BASE-T	100BASE-T	100BASE-T	100BASE-T
4G	4G modem	4G modem	4G modem	4G modem

Technical specifications

EV Ultra







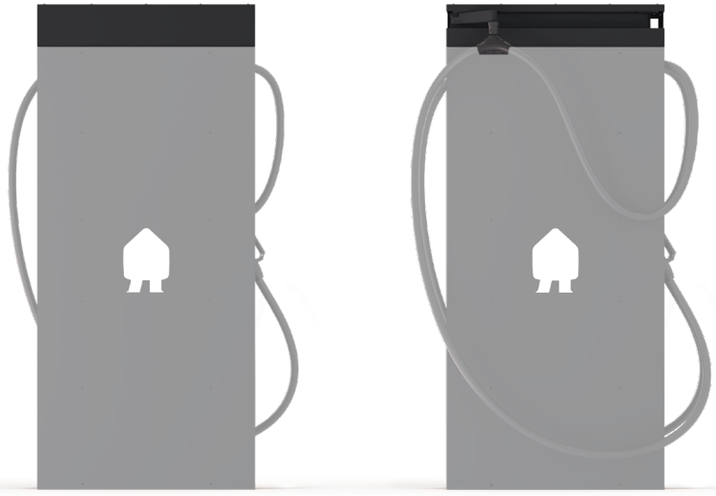


	80S	240S	40D	120D
Operating conditions				
Operating temperature	-25 °C to 50 °C (derating from 40 °C)	-25 °C to 50 °C (derating from 40 °C)	-25 °C to 50 °C (derating from 40 °C)	-25 °C to 50 °C (derating from 40 °C)
Storage temperature	-25 °C to 70 °C	-25 °C to 70 °C	-25 °C to 70 °C	-25 °C to 70 °C
Relative humidity	0% - 95%, non-condensing	0% - 95%, non-condensing	0% - 95%, non-condensing	0% - 95%, non-condensing
Operating altitude	0 - 2,000 m	0 - 2,000 m	0 - 2,000 m	0 - 2,000 m
Installation	Indoor and outdoor	Indoor and outdoor	Indoor and outdoor	Indoor and outdoor
Ingress protection	IP54	IP54	IP54	IP54
Impact protection	IK10	IK10	IK10	IK10
Corrosivity (ISO 12944-2)	C4	C4	C4	C4
Durability (ISO 12944-1)	High	High	High	High
Communication protocol				
	OCPP 1.6 J, ready for update to OCPP 2.0.1	OCPP 1.6 J, ready for update to OCPP 2.0.1	OCPP 1.6 J, ready for update to OCPP 2.0.1	OCPP 1.6 J, ready for update to OCPP 2.0.1
Activation method				
	Unauthenticated, swipe RFID, scan QR code, Pay Station	Unauthenticated, swipe RFID, scan QR code, Pay Station	Unauthenticated, swipe RFID, scan QR code, Pay Station	Unauthenticated, swipe RFID, scan QR code, Pay Station
Standards				
	IEC 61851-1, IEC 61851-2-21, IEC 61851-23, ISO 15118-2, ISO 15118-3	IEC 61851-1, IEC 61851-2-21, IEC 61851-23, ISO 15118-2, ISO 15118-3	IEC 61851-1, IEC 61851-2-21, IEC 61851-23, ISO 15118-2, ISO 15118-3	IEC 61851-1, IEC 61851-2-21, IEC 61851-23, ISO 15118-2, ISO 15118-3
Product certification				
	CE, optional Eichrecht certified	CE, optional Eichrecht certified	CE, optional Eichrecht certified	CE, optional Eichrecht certified

Optional accessories

Cable Management System

Suitable for indoor and outdoor use with 5 and 7 m cables

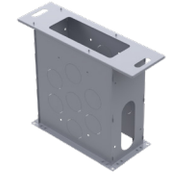


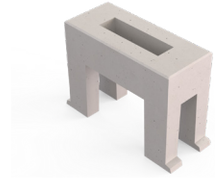
	Single	Double
Dimensions (h × w × d)	920 × 445 × 184 mm	920 × 565 × 184 mm
Weight	23.5 kg	28.5 kg
Working load arm	30 kg	30 kg
Max loading arm	80 kg	80 kg
Max extension	1040 mm	1040 mm
Length of main arm	800 mm	800 mm
Length of sub arm	240 mm	240 mm
Rotation angle main arm	180°	180°
Rotation angle secondary arm	135°	135°
Rotation angle clamp	360°	360°
Color	● RAL 7021	● RAL 7021

Charging cables

	standard	optional	optional
Cable length	3 m	5 m	7 m
Weight	9,5 kg	17,5 kg	22,5 kg

Mounting method





	Mounting anchor	**Concrete foundation**
Dimensions (h × w × d)	699 × 351 × 702 mm	390 × 920 × 700 mm
Weight	23 kg	260 kg
Material	Magnelis	reinforced concrete
Cable entry opening	90 x 533 mm	140 × 520 mm
Extra info	to be filled with concrete	with lifting bolts for placement

Pay Station

Central AFIR-compliant kiosk for multiple chargers

Dimensions (h × w × d)	120 × 120 × 1454 mm
Weight	11.6 kg
Material	aluminium (housing), Magnelis (structure)
Color	● RAL 7021





We design energy intelligence

Smappee is a Belgian technology company developing intelligent energy solutions for homes, businesses and EV charging infrastructure.

By connecting renewable energy, storage, EV charging and consumption into one smart ecosystem, Smappee helps customers optimise energy use, reduce costs and accelerate the transition to sustainable energy.

Designed and manufactured in Belgium, Smappee products combine advanced technology, award-winning design and inclusive production.

Everything we create is guided by one belief: the future of energy depends not only on how energy is generated, but on how intelligently it is managed.

iF DESIGN AWARD 2024

reddot winner 2024
best of the best

Ready to make your charging infrastructure profitable?

Whether you're running a single site or planning a fleet depot, our team can help you size the right EV Ultra setup for your energy profile and business goals.

www.smappee.com

smappee