

High-power charging for all locations



JUICE ULTRA 2



Continuously tested

Compatible with all existing and newly released electric cars with a CCS2 connection.



Modular

Thanks to the rack-mount rectifier system, power outputs ranging from 100kW to 500kW can be implemented.



Rapid installation

Standard anchoring, prefabricated foundations and drawings available, integrated levelling, robust quick connectors.

The JUICE ULTRA 2 is an elegant, high-power charging station for electric vehicles that enables rapid charging with a DC charging capacity of up to 500 kW.

The powerful HPC device is a flexible and reliable charging solution that meets the requirements of various different locations.

JUICE ULTRA 2

Fast charging station for e-vehicles

Impressive cost-benefit ratio

All models of the JUICE ULTRA 2 impress with their reliable functionality, simple installation and minimal maintenance requirements. This reduces costs and proves that DC chargers are in no way inferior to their AC counterparts when it comes to the cost-benefit ratio.

Efficient

Up to two DC charging outputs (CCS2 and CHAdeMO) and one AC output enable simultaneous charging of up to three vehicles.

Flexible payment options with NFC

Every version of the JUICE ULTRA 2 can be equipped with an optional NFC payment terminal and supports all common credit and debit cards as well as mobile payment methods.

Cost control in real time

The charging costs are displayed in real time to ensure full cost control. This delivers complete transparency and optimises the charging experience.

Swiss quality

Developed and manufactured in Switzerland, the JUICE ULTRA 2 guarantees maximum quality and safety levels with its comprehensive DC and AC safety functions.

Robust

Resistant to impact (up to IK10), protected against dust and splash water (IP54) and usable between -20°C and +45°C.

Maintenance-free cooling system

With its large cross section, the DC charging cable has a low resistance and requires no liquid cooling. Maintenance-free air cooling is sufficient for trouble-free operation without any performance losses. The lack of an active cooling system reduces energy consumption, and since no coolant is used, there are no environmental restrictions to consider either.

Excellent usability

The easy-to-read 7" screen displays the power output, energy information, battery level and charging costs.

JUICE ULTRA 2

slim



Versatile

Works with all electric cars and commercial vehicles, such as e-vans and e-trucks.

Dynamic load management

All models feature smartJUICE dynamic load management, which monitors and controls the energy distribution in real time for optimum efficiency.

Unrestricted connectivity

The JUICE ULTRA 2 features an RFID reader for activation with charge cards (compatible with all established providers, incl. eCarUp, Move, swisscharge). The device supports the universal Open Charge Point Protocol (OCPP) for backend communication and offers a range of connectivity options, such as Ethernet, GPRS, UMTS und LTE. The station is also compatible with Plug and Charge: It instantly recognises any previously registered vehicle that supports ISO 15118 and automatically activates the charging process.

Maximum safety as standard

- DC safety: short-circuit protection, excess current protection, overvoltage and undervoltage protection, insulation monitoring, earth conductor monitoring
- AC safety: residual current circuit breaker (Type B), excess current protection, earth conductor monitoring

Air-cooled

The high-quality DC charging cable has a large cross section and requires no liquid cooling.

Timeless design

The JUICE ULTRA 2 adds an elegant touch to any parking site. The electronics are concealed in a clean and simple housing, while the cables are neatly stowed away.

Three versions to suit

all requirements

Need more power? Not a problem! Three different versions are available – **slim**, **large** and **hub** – to suit all space and performance requirements.

JUICE ULTRA 2

slim

- 100kW DC plus 22kW AC
- When space is at a premium: DC charging on a minimal footprint (48 x 30 cm) – approx. equivalent to the space requirement of an AC charging station.
- 7.1-metre cable length

JUICE ULTRA 2

large



- Max. 500kW
- Combined power in a single housing
- 5.8-metre cable length

JUICE ULTRA 2

hub



- Up to 500kW DC plus 22kW AC
- With dispenser terminal and separate power cabinet for greater flexibility during setup
- 7.1-metre cable length

For more information
and accessories visit:
juice.world/ju2



JUICE ULTRA 2

High-power charging for all locations

Technical specifications

JUICE ULTRA 2
slim



JUICE ULTRA 2
large



JUICE ULTRA 2
hub



Dimensions without cable management (width x height x depth)	590 x 1900 x 300 mm	853 x 2079 x 840 mm	Terminal: 590 x 1900 x 300 mm Hub: 853 x 2079 x 840 mm
Input current (AC mains connection)	3 x 400 V (± 10%) / 45–65 Hz or 50/60 Hz		
AC input current	176 A (DC only), 200 A (DC & AC)	585 A	488 A or 585 A
DC output current	1 x 275 A or 2 x 160 A	1 x 500 A or 2 x 480 A	
DC output voltage	150–920 V		
DC charging capacity (max.)	100 kW	500 kW	
AC charging capacity (max.)	22 kW		
Efficiency	94.5% (at 50% < output)		
Protection rating	IP54 and IK10		
Load shedding	Via floating contact		
Conformity – EMC	EN 61851-1, -22, -23; EN 62479; EN 55011 + A1 – EN 61000-6-1, -2, -3, -4		
Operating temperature	-20°C to +45°C		
RFID system	ISO/IEC 14443A, ISO7816, MIFARE Ultralight®, NTAG203, MIFARE Mini, MIFARE Classic® 1K, MIFARE Classic® 4K, FM-11RF08		
Communication	OCPP 1.5, OCPP 1.6, OCPP 2.0 (ready), JSON/SOAP, Ethernet port, GPRS, UMTS, LTE, DIN 70121, ISO 15118		
Connections	2 x CCS2 (IEC 62196-3), available on request: CCS1 or CHAdeMO and additional AC Type 2 (socket)		
Charging cable – cable management	7.1 m with cable retraction system	5.8 m with cable arm	7.1 m with cable retraction system
Material – colour	Robust full metal housing – interior: anthracite; frame: light grey; cables: black		