

EN150K2

EV 150kW Charging station

Product information:



Charging station EN150K2 is used for charging of electric vehicles. The product features high efficiency, power and reliability, as well as harsh environment resistance. The unit complies with global electric vehicles charging standards. Maximum DC charging power is 150kW. However 90kW, 120kW or 180kW configurations are possible. Maximum charging current reaches 300A. The unit is three-phase powered with an available output voltage range from 150V to 1000V.

Functionality:

- Support of CCS-2, CHAdeMO, AC Type 2 or socket support
- OCPP 1.6J support with SW update to 2.0, intelligent charging and battery management
- Capable of charging two vehicles at the same time – total power achieved is 150kW
- User-friendly interface with 7" LCD touch screen display with tempered glass
- LAN and LTE support
- RFID and cashless payment
- High tightness of the device IP55, resistance to aggressive environment
- Variety of charging modes: automatic full, timed, partial, relative to the amount of energy, to a specific SoC
- Power switch between two DC connectors
- Features ensuring high safety of use: EPO, SPD, RCP, condition of insulation monitor
- Internal AC, DC meter

Basic parameters:

- DC output power 150kW
- AC output power 22kW
- Maximum system efficiency $\geq 95\%$

Safety:

- Compliance with CE, EN 61851-1-2001; EN 61851-21-2001; EN 61851-22-2001
- Compliance with EN61000-6-3 and EN61000-6-1 Class A

Applications:

- Bus depots
- Workplaces
- Gas stations
- Parking lots

Specification:

	Parameter	Unit	Value
Output – basic parameters	DC output power (max)	kW	150
	AC output power	kVA	22
	AC output current	A	32
	DC output voltage range	V	150 – 1000
	Maximum output current	A	600A@300V/ 360A@500V/ 180A@1000V
	Current limit	A	250A/CCS (optional 300A) – 125A/CHAdEMO
	Accuracy of voltage stabilization	%	≤±0,5
	Accuracy of current stabilization	%	≤±3
AC input – basic parameters	Input voltage	VAC	260 – 530 (3 phases + N + PE)
	Frequency range	Hz	45 – 65
	THD	%	≤5%
	Power factor		≥0.99
Environmental conditions	Operation temperature	°C	-20 - 70 (limited from 50)
	Storage temperature	°C	- 40 - 75
	Humidity	%	0 – 95
	Height	m ABSL	<2000
Mechanical parameters	Dimensions H x W x L	mm	700 x 1750 x 750
	Mass	kg	400+105
	Protection level		IP55/K10
	Installation of the charger		On the fundament

	Technical Data	Description
Features and interface	HMI	Touchscreen display LCD 7", Service LAN, RFID and LTE, LED panel
	Energy consumption measurement	AC current meter, DC current meter, DL/T 5137-2008 standard
	Control protocol	10M/100M LAN and standard LTE network, OCPP 1.6J
	Security	RCD-B (optional), E-stop, AC residual current device
	Charging and billing modes	Automatic full charging, Time charging, Partial charging, Charging a specific amount of energy, Charging to a specific SOC
	DC charging of two vehicles	Each DC output can be controlled by priority (full charging power/half charging power/no charging)
	Protection of the charger	Over-current protection, short-circuit protection, over-voltage protection, under-voltage protection, insulation monitoring, ground monitoring, common ground protection for the output of two charging plugs, reverse polarity battery protection, overheat protection
Standard	CSS PLC Communication	DIN70121, ISO15118
	CHAdEMO	CHAdEMO V1.2
	Safety	Zgodność z CE, EN 61851-1/EN 61851-23/EN 61851-24
	EMC	UL2202, CE, EN61000-6-3/EN61000-6-1 class A

* the manufacturer reserves the right to change the appearance and parameters of the product