

EN30K2

Fast DC Wall Charger

Product information

The EN30K2 charging station is used for charging electric vehicles with direct current with CSS 2 standard. It can be easily mounted on the wall or a column. The product is equipped with user-friendly interface. The EN30K2 charger features IP54 level of protection which provides high reliability and durability while working outside. The unit offers a charging voltage range from 150V to 1000V with a constant output power of 30kW for voltages from 300V to 1000V. An optional accessory may be: a TYPE 2 charging cable (32A AC), socket configuration support or portable accessories.



Functionality

- CCS-1, CCS-2, CHAdeMO
- OCPP 1.6J
- CE EMC class B
- User-friendly interface with 7" LCD touch screen display with tempered glass
- LAN and LTE connection
- RFID and cashless payment
- Optional AC charger cable and configurable outlets
- Many charging modes: automatic full, timed, partial, relative to the amount of energy, to a specific SoC
- Possibility of installing on the wall or a suitable column

Basic parameters:

- DC output power 30kW
- AC output power 22kW
- Efficiency under full-load $\geq 95\%$

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

Application

- Workshops
- Parking lots
- Garages

Specification

	Parameter	Unit	Value
Output – basic parameters	DC output power	kW	30
	AC output power (optional)	kVA	22
	AC output current	A	32
	DC output voltage range	V	150 – 1000
	Maximum current	A	100
	Current limit	A	0 – 25
	Accuracy of voltage stabilization	%	$\leq \pm 0,5$
	Accuracy of current stabilization	%	$\leq \pm 3$
AC input– basic parameters	Input voltage	VAC	260 – 530 (3 phases + N + PE)
	Frequency range	Hz	45 – 65
	THD	%	$\leq 3\%$
	Power factor		≥ 0.99
Environmental conditions	Working environment	°C	-20 ~ +70 (limit at 50)
	Storage temperature	°C	- 40 ~ +75
	Humidity	%	0 – 95
	Altitude	m ABSL	< 2000
Mechanical parameters	Dimensions H x W x D	mm	610 x 650 x 320
	Mass	kg	70
	Level of protection		IP54/K10
	Mounting the charger		To the wall or a special column

	Technical data	Description
Features and interface	HMI	Touchscreen display LCD 7", Service LAN, RFID and LTE
	Energy consumption measurement	AC current meter, DC current meter
	Control protocol	OCPP 1.6J, 10M/100M LAN and standard LTE network
	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 for two vehicles	Each DC output can be controlled by priority (full charging power/half charging power/no charging)
	Protection of 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
Standards	CSS PLC communication	DIN70121, ISO15118
	CHAdeMO	CHAdeMO V1.2/V2.0
	Safety	Compliance with CE, EN 61851-1-2001; EN 61851-21-2001; EN 61851-22-2001;
	EMC	UL2202, CE, EN61000-6-3/EN61000-6-1 B class, EN 61851-1/EN 61851-23/EN 61851-22

DYSTRYBUTOR

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