EN480K2

HIGH POWER EV CHARGER 480kW

Product information

EN480K2 charging station is used at charging hubs, compatible with CSS-2 or CHAdeMO socket standards. The product features high efficiency, power and reliability, as well as resistance for harsh environment. By using cooling systems, each dispenser can provide a maximum power of 480kW and maximum voltage of 1000V.

Features

- CCS-2 or CHAdeMO
- OCPP 1.6J support, intelligent charging
- Optional liquid cooling system for CCS connectors
- Tightness of the device of IP55, IP54 for power strip, resistance to influence of harsh environment
- LAN and LTE
- RFID and cashless payment
- User-friendly interface with 7" LCD touch screen display with tempered glass
- High accuracy internal energy measurement system
- Possibility of easily power increase to 480kW and voltage to 1000V
- Features providing high safety: EPO, SPD, RCP, insulation state monitor

Basic parameters

- DC output power 480kW
- Maximum system efficiency ≥ 94%

Safety

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

Applications

- Charging points with several charging stations

Specification

Parameter		Unit	Value
Output – basic parameters	Maximum DC output power	kW	480
	Maximum DC output current	A	1200A for 300V, 360A for 1000V
	Maximum system efficiency	%	> 95
	Output channel		4 or 6 channel bus DC outputs with fuses
	Support		Ability to connect up to 3 dispensers
AC input - basic parameters	Input voltage	V	3x400
	Frequency range	Hz	45 – 65
	THD	%	≤5%
	Power factor		≥0.99
	Inputs		Two-channel AC input, RCDA switch input And contractor input
Environmental conditions	Working temperature	°C	-20 – 70 (limit from 50)
	Storage temperature	°C	- 40 – 75
	Humidity	%	0 – 95
	Altitude	m ABSL	<2000
Mechanical parameters	Dimensions H x W x D	mm	500 x 1750 x 350
	Mass	kg	800
	Level of protection	-	IP65
	Installation of the charger	-	On the fundament

Technical data		Description
Features and interface	HMI	Touchscreen display LCD 7”, Service LAN, RFiD and LTE, CCS-2, CHAdeMO
	Energy consumption measurement	AC current meter, DC current meter
	Control protocol	10M/100M LAN and LTE network standard
	Security	RCD-B (optional), E-stop, residual current device AC
	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	JEVS G104
	Safety	Compliance with CE, EN 61851-1-2001; EN 61851-21-2001; EN 61851-22-2001
	EMC	EN61000-6-3 and EN61000-6-1 A class

DYSTRYBUTOR

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