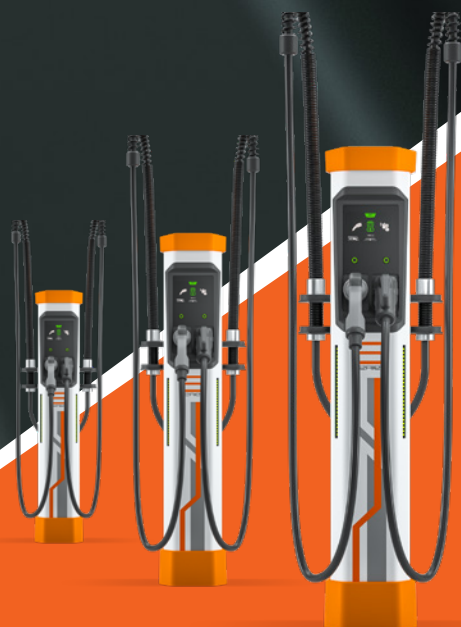




KEMPOWER

S SERIES

**Dynamic EV charging system
with satellite charging posts**



Dynamic EV charging system with satellite charging posts

Kempower S-series charging Satellite poles with range of CPU's provides fast charging system for large and widespread electric vehicle fleets. The modular and scalable system is especially ideal for continuously growing electric bus & truck fleetcharging at depot and parties providing fast charging service for electric passenger cars.



Cloud connection for wireless software updates and superior data management.



Suitable for the most common charging standards: CHAdeMO, CCS and Type 2.



1-16 satellite charging poles and/or pantographs for dynamic power distribution.



Class-leading charging cable management elongates maintenance intervals.



Intuitive and user-friendly 7" touch screen ensures smooth and convenient charging experience.



Kempower Power Modules provide dynamic charging power without interruptions. Each module packs 40 kW of charging power.



Highest power vs footprint ratio in the fast charging market. The output of each charging pole can be up to 100 kW, 5 times as high as a standard charging pole of the same size.





GENERAL

Power (DC)	See table below
Current	See table below
Voltage	max. 1000 V _{DC}
Charging connector	CCS2 IEC 62196-3, CHAdeMO
Charging socket (Optio)	Type 2 IEC 62196
Power (AC)	See table below
Current	See table below
Operating Temperature	-30 to +40 °C
Derating high ambients	1,5%/1°C up to +50°C max
Altitude derating	1%/100m above 2000 m
Storage Temperature	-40 to +60 °C
Enclosure class	IP54, IK10
Humidity	< 95% relative humidity
Features	7" touch screen, cloud based back-end, service and management dashboard advanced cable support system
Electrical Protections	Over/under voltage, Surge protection, Short circuit, Earth leakage current, Over temperature
User Interface	7" touch screen
Electrical safety	IEC 61851-1, IEC 61851-23
EMC	EN 61000-1, -2, -3, -4
Harmonics	61000-3-12
Mechanical dimensions (W x H x D)	300 x 1500 x 300 mm footprint 420 x 2300 x 420 mm with cables

ADVANCED SATELLITE CHARGING SYSTEM

Product	Simultaneous charging with 2 outputs possible	CCS 2				CHAdeMO			Type 2 AC			
		Charging outputs	Maximum continuous charging current at +40 C [A]	Charging power at 400 V _{DC} [kW]	Charging power at 670 V _{DC} [kW] (with C800 series)	Charging outputs	Maximum continuous charging current at +40 C [A]	Charging power at 400 V _{DC} [kW]	Charging outputs	Maximum continuous charging current at +40 C [A]	Charging power at 400 V _{AC} [kW]	DC Charging cable length [m]
S C 5B S		1	150	60	100							5
S C 5C S		1	200	80	130							5
S C 5E S		1	300	120	200							5
S CC 5B S	•	2	150	60	100							5
S CC 5C S	•	2	200	80	130							5
S CC 5E S	•	2	300	120	200							5
S CA 5B S	•	1	150	60	100				1	3 x 32	22	5
S CA 5C S	•	1	200	80	130				1	3 x 32	22	5
S CA 5E S	•	1	300	120	200				1	3 x 32	22	5
S AA N S	•								2	3 x 32	22	
S D 5B S						1	125	50				5
S D 5D S						1	250	100				5
S DA 5B S	•					1	125	50	1	3 x 32	22	5
S DA 5D S	•					1	250	100	1	3 x 32	22	5
S X 5B S		1	150	60	100	1	125	50				5
S X 5CB S		1	200	80	130	1	125	50				5
S X 5EB S		1	300	120	200	1	125	50				5
S X 5CD S		1	200	80	130	1	250	100				5
S X 5ED S		1	300	120	130	1	250	100				5
S CD 5B S	•	1	150	60	100	1	125	50				5
S CD 5CB S	•	1	200	80	130	1	125	50				5
S CD 5EB S	•	1	300	120	200	1	125	50				5
S CD 5CD S	•	1	200	80	130	1	250	100				5
S CD 5ED S	•	1	300	120	200	1	250	100				5



S SERIES

Modularity combined with dynamically distributed ultrafast power

Your need for simultaneous and frequent fast charging is easily fulfilled with the Kempower S-series ultrafast EV charging system. Due to the modular structure and the possibility to select from wide range of Satellite posts and pantographs gives you an exclusive access to a tailored system that is just the right amount of charging power for your application needs



Kempower Oy designs, manufactures and commercializes charging solutions and services for electric vehicles and machines operating in the most demanding conditions. Our charging solutions are designed and manufactured in Lahti, Finland. We are owned by Kemppi Group. Together we have 70 years of experience in perfecting power sources.

www.kempower.com



Scan the code for more S-Series information.