

SETEC Plus DC charging module

Product Profile

The SETEC Plus DC charging module is a high-performance solution designed for power factor adjustment and reactive power compensation. It adopts a three-phase AC input without a neutral line, delivering wide adjustment and compensation ranges, high efficiency, high power density, and low harmonic distortion. The 30kW module is UL-certified, ensuring compliance with international safety and reliability standards.



Power Module



SETEC Plus
DC charging module



01 Highlights



Supports CAN



Max. Current 135A



High Efficiency $\geq 96.5\%$



Mute Mode ≤ 60 db

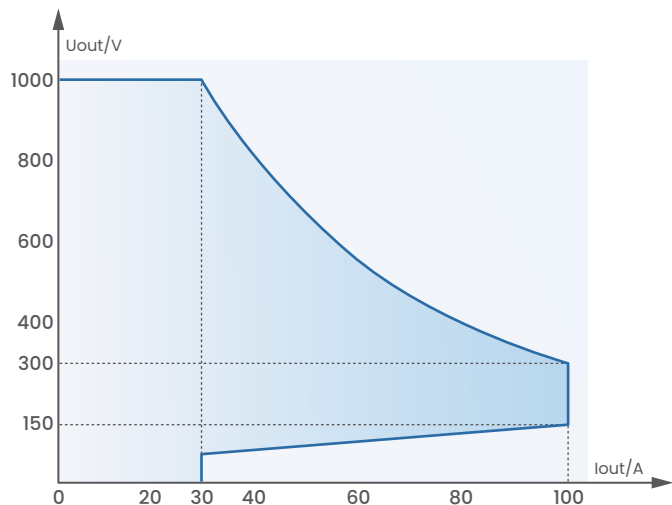


Voltage Range
100-1000V

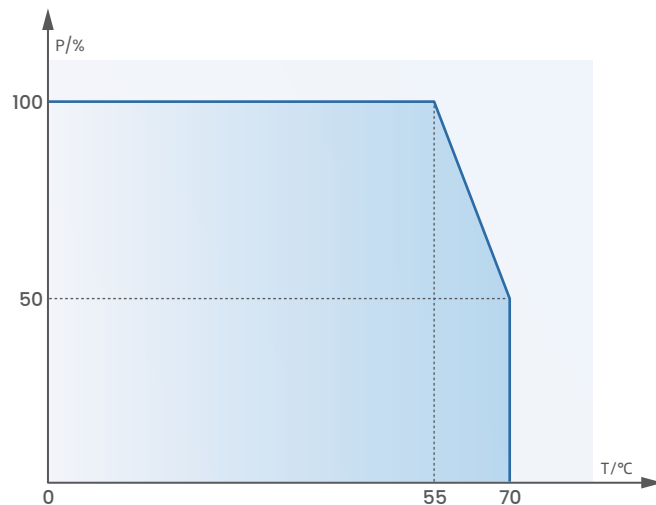


Standby Power ≤ 12 kW

02 Curve Chart



Output Current



Environment Temperature

Specifications

Datasheet	Model	30kW	40kW
Input	Power Supply	3W+PE	3W+PE
	Rated Voltage	380	380
	Max. Input Current	60A	80A
	Frequency	50Hz/60Hz±5%	
	Standby Power	≤12W	
Output	Maximum Power	30kW	40kW
	Max. Current	100A	135A
	Rated Power	30kW	40kW
Electrical Parameter	Power Factor	> 0.99 @ full load	
	THD	< 5%	
	Efficiency	≥95.6%	≥96.5%
	Steady Voltage Accuracy	≤±0.5%	
	Harmonic current	≤±1%	
	Voltage Deviation	≤±0.5%	
	Current Deviation	≤ ±1% when load current is greater than 30 A ≤ ±0.3 A when load current is less than 30 A	
	Ripple & Noise (Max.)	±1%(Peak)	
Soft Start Time	3~7s		
User Interface	Enclosure	Galvanized Steel Sheet	
	LED Indicator	Red, Yellow and Green Light	
Communication	Configuration	CAN	
	Protocol	Custom protocol	
Safety	Ingress Protection	IP20	
	Electrical Protection	Input undervoltage, overvoltage, and phase loss; output overcurrent, overvoltage, short circuit, and overtemperature protection	
	Certification Standard	NB/T 33001-1-2018, NB/T 33008-1-2013, IEC/EN 61851-1	
	Warranty	2 years	
EMC/EMI	Standard	IEC 61851-21-2, IEC 61000-3-11, IEC 61000-3-12, IEC 61000-6-4, CISPR 16-1-2, CISPR 16-1-4, MIL-STD-461F	
Environmental indicators	Cooling Method	Air-cooled	
	Noise	<60dB	
	Work Temperature	-40°C to +70°C	
	Work Humidity	10% to 95%	
	Work Altitude	≤2000m	
Package	Product Dimension	84*300*437.5	
	Net Weight	15.4kg	13.5kg