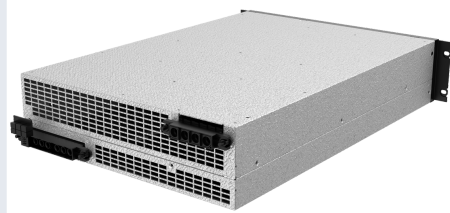


SET1000-30KW



High voltage constant power charging module

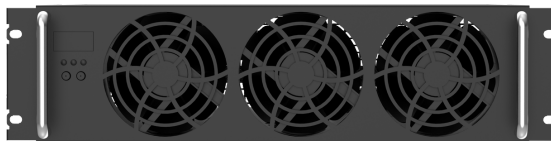
SET1000-30KW is a high-efficiency, high-power-density charging module that supports three-phase AC and DC input. The charging module adopts an isolated CAN communication interface, and the system monitors the charging module through CAN communication to give instructions to the charging module to realize the functions of module voltage regulation, current limiting, and module switching.

FEATURES

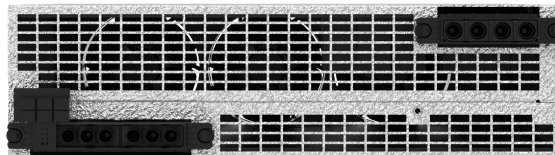
- Wide input voltage range: the input working voltage range is 285Vac~485Vac;
- Ultra-wide output voltage range 150V-1000V;
- The maximum output power is 30kW;
- Support fan intelligent speed regulation and fan failure detection alarm, support LED failure alarm;
- All-digital precise control, high voltage stabilization and current stabilization accuracy, safe and reliable;
- The input power factor is as high as 0.99, and the total harmonic content is $\leq 3\%$;

INTRODUCTION ABOUT IT

- Complete fault protection measures, with input undervoltage, overvoltage, phase loss, output overcurrent, overvoltage, short circuit and overtemperature protection functions;
- The module comes with a shutdown output bleeder circuit



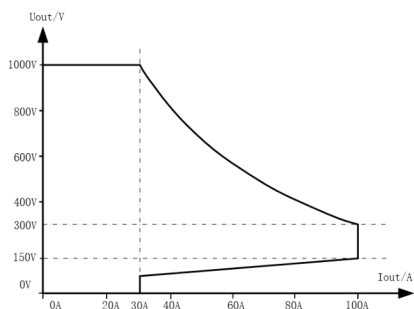
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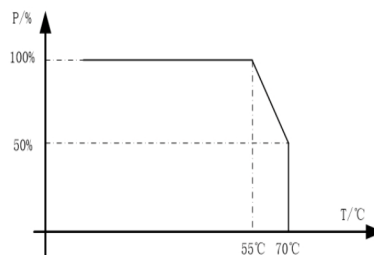
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Technical Specifications

Name	Parameter	SET1000-30KW
AC input	Power grid structure	TT/TN system (U/V/W/PE)
	Rated Voltage (Vac)	380
	Grid frequency (Hz)	50/60
Output	Voltage (Vdc)	150~1000
	Current (A)	0~100
	Rated Power (kW)	30
performance	Peak efficiency	≥95.6%
	Power Factor	≥0.99
	Steady current accuracy	≤±1% (The load current is in the range of 20% ~ 100%)
	Voltage stabilization accuracy	≤±0.5%
	Output voltage error	≤±0.5%
	Output voltage ripple and noise	±0.5%(RMS) / ±1%(Peak-Peak)
	Soft start time	3~7s
Usage Environment	Standby loss	≤12W
	Temperature (°C)	-20~65 (-40°C startup、+55~+65°C Power linear derating)
	Humidity (%)	10~95 (No condensation)
Monitor	Altitude	Less than 2000m
	Communication port	CAN2.0B
Mechanical parameters	Size (L×W×H) mm	437.5*300*84
	Weight (kg)	15.4
	Cooling	Smart cooling



Output voltage-output current curve



Temperature-output power relationship