

Household Photovoltaic Energy Storage Integrated Inverter

COSPOWERS

Single-phase inverter



Parameters/ Model		Hybrid	Off-grid
Off-grid Parameters	Model	SEI-5K-SP	HPI-6K-SP
	Rated Output Power	5000W	6000W
	Rated Voltage	230V	
	Rated Frequency	50Hz / 60Hz	
	Rated Output Current	24A	26.1A
	Output THDu	<3%	
Grid-tied Parameters	Rated Output Power	5000W	6000W
	Rated Grid Voltage	230Vac	
	Maximum Grid Input Current	24A	26.1Aac
	Grid Voltage Range	170~276Vac	
PV Input Parameters	Maximum Input power	4000W + 4000W	6000W + 6000W
	Start-up Voltage	120V / 120V	65V / 65V
	Maximum Input Voltage	500Vdc+500Vdc	
	MPPT Voltage Operating Range	120~450V	65~450V
	Full-Load MPPT Voltage Range	150~450V	275~450V
	Number of MPPTs	2	
	Maximum Input Current	27A+27A	22A + 22A
Battery Parameters	Battery Type	LFP	
	Rated Voltage	48Vdc	
	Battery Voltage Range	40~60Vdc	
	Maximum Continuous Charge/Discharge Current	60A	135A
Efficiency	Maximum Efficiency	97.50%	
	European Efficiency	97.20%	
	Maximum Battery Charge/Discharge Efficiency	95.20%	
Other Parameters	Dimensions (W*D*H)	556*345*182mm	300*460*217.5mm
	Weight	20kg	17.5kg
	Noise Level	<60dB	<55dB
	Operating Temperature	-25 to 60°C, derating above 45°C	
	Cooling Method	Air Cooling	
	Protection Rating	IP65	
	Human-Machine Interaction Method	LCD、APP	
	Communication Interface	RS485/CAN	
	Protection	Overvoltage protection、overcurrent protection、short circuit protection	
	Safety Certification	IEC62109-1, IEC62109-2	IEC62109-1、IEC62109-2
	EMC Certification	EN61000-6-1, EN61000-6-3, FCC15 classB	EN61000
	Grid Connection Certification	EN50549-1, G99, NRS-097, VDE-ARN-4105, CEI021	NO



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