



SEI Series

Solar storage inverter

Efficiency

- Advanced MPPT with up to 99.9% efficiency
- Up to 22A*2 PV input current

Safety

- With software and hardware security protection
- Multiple safety approvals

All-in-One

- Up to 260A charging current
- Supports Li-ion battery BMS communication

Reliable

- Support three-phase pure sine wave output
- With IP65 protection degree

User-Friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley

Application scenario



House



Farm



Telecom



Countryside



Island



Pasture

MODEL	SEI-8K-H3P		SEI-10K-H3P		SEI-12K-H3P	Can Be Set
INVERTER OUTPUT						
Rated Output Power	8,000W		10,000W		12,000W	
Max.Peak Power	16,000VA		20,000VA		24,000VA	
Rated Output Voltage	230/400Vac , Three-phase					✓
Load Capacity of Motors	5HP	6HP				
Output Frequency	50/60Hz					
Number of Parallel	1~6 units					
AC OUTPUT （ON-GRID）						
Rated Output Power	8,000W		10,000W		12,000W	
Max. Apparent Power	8,000VA		10,000VA		12,000VA	
Rated AC output phase current	11.6Aac		14.5Aac		17.4Aac	
Rated Output Voltage	230/400Vac					
THDI	< 3%					
Power Factor	0.8 leading to 0.8 lagging					
Frequency	50/60HZ					
BATTERY						
Battery Type	Lead-acid / Li-ion / User Defined					✓
Rated Battery Voltage	48V					
Battery Voltage Range	40~60Vdc					
Max. Generator Charging Current	100A	120A				
Max. Grid Charging Current	100A	120A				
Max.Hybrid Charging Current	180A	220A		260A		✓
PV INPUT						
Num. of MPPT Trackers	2					
Max.PV Array Power	6,000W+6,000W	7,500W+7,500W		9,000W+9,000W		
Max. Input Current	22A+22A					
Max.PV Isc	37A+37A					
Max.Voltage of Open Circuit	800Vdc+800Vdc					
MPPT Voltage Range	200-650Vdc					
MAINS/GENERATOR INPUT						
Input Voltage Range	Phase voltage 170~280Vac, line voltage 305~485Vac					✓
Frequency Range	50/60Hz					
Bypass Overload Current	23.2A	29A		35A		
EFFICIENCY						
MPPT Tracking Efficiency	99.9%					
Max. Efficiency	97.5%					
European Efficiency	97.2%	97.5%				
GENERAL						
Dimensions	700*440*260mm					
Weight	39.2kg					
Protection Degree	IP65					
Operating Temperature Range	-25~60℃,>45℃ derated					
Humidity range	0~100%					
Cooling Method	Forced air cooling					
COMMUNICATION						
Embedded Interfaces	RS485/CAN/USB/Dry contact					✓
External Modules （Optional）	Wi-Fi / GPRS					✓
CERTIFICATION						
On-grid standard	EN50549,VDE4105					
Safety	IEC62109-1, IEC62109-2					
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B					
Rohs	Yes					