



SEI Series

Solar storage inverter

Performance characteristics

○ Efficiency

Advanced MPPT technology 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 200A charging current;
Supports Li-ion battery BMS communication.

○ Reliable

Outputs high quality pure sine wave AC power;
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.

Parameters

Model	SEI-8K-SP	SEI-10K-SP	SEI-12K-SP	Adjustable
Inverter Output				
Rated Output Power	8,800W	10,000W	10,000W	
Max.Peak Power	17,600VA	20,000VA	24,000VA	
Rated Output Voltage	230Vac(L/N/PE single phase)			√
Load Capacity of Motors	5HP	6HP	6HP	
Output Frequency	50Hz/60Hz			
Number of Parallel	1~6 units			
AC OUTPUT (Grid)				
Rated Output Power	8,800W	10,000W	12,000W	
Max. Apparent Power	8,800VA	10,000VA	12,000VA	
Max. Output Current	40A	43.5A	54.5A	
Rated Output Voltage	230Vac			
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	60A			
Max. Grid Charging Current	120A			
Max.PV Charging Current	200A			√
Max.Hybrid Charging Current	200A			√
PV Input				
Num. of MPPT Trackers	2			
Max.PV Array Power	5,500W+5,500W	5,500W+5,500W	6,600W+6,600W	
Max. input Current	22A+22A			
Max.Voltage of Open Circuit	500Vdc+500Vdc			
MPPT Voltage Range	125~425Vdc			
Mains/ Generator Input				
Input Voltage Range	90 ~ 280Vac			√
Frequency Range	50/60Hz			
Bypass Overload Current	63A			
Efficiency				
MPPT Tracking Efficiency	99.9%			
Max. Efficiency	97.5%			
European Efficiency	97%			
General				
Dimensions	670*440*240mm			
Weight	37kg			
Protection Degree	IP65			
Operating Temperature Range	-25~60 C ,>45°C derated			
Humidity range	0 ~ 100%			
Cooling Method	Forced air cooling			
Communication				
Embedded Interfaces	RS485/CAN/USB/Dry contact			√
External Modules (Optional)	Wi-Fi / GPRS			√