

INSOLA



Solar storage inverter

SEI Series



User-Friendly

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



Intelligent

- Exclusive Li-ion battery BMS dual activation
- Support for remote monitoring of operating



Reliable

- Outputs high-quality pure sine wave AC power
- Reliable output for long periods at rated power



Efficiency

- Advanced MPPT with up to %99.9 efficiency
- Multiple charge and discharge modes are available



All-in-one

- Support for many types of batteries
- Supports Li-ion battery BMS communication



Safety

- 360 degrees of security from hardware to software
- Multiple safety approvals available

MODEL	SEI-8K-SP	SEI-10K-SP		SEI-12K-SP	CAN BE SET
INVERTER OUTPUT					
Rated Output Power	8,800W	10,000W		12,000W	
Max. Peak Power	17,600VA	20,000VA		24,000VA	
Rated Output Voltage	230Vac single-phase / three-phase (parallel)				✓✓
Load Capacity of Motors	5HP	6HP			✓✓
Output Frequency	5060/Hz				
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	5060/HZ				
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		6,600W+6,600W		
Max. Input Current	22A+22A				
Max.Voltage of Open Circuit	500Vdc+500Vdc				
MPPT Voltage Range	125425-Vdc				
MAINS/GENERATOR INPUT					
Input Voltage Range	90~280Vac				✓✓
Frequency Range	5060/Hz				
Bypass Overload Current	63A				
EFFICIENCY					
MPPT Tracking Efficiency	99.9%				
Max. Efficiency	97.5%				
European Efficiency	97%				
GENERAL					
Dimension	670*440*240mm				
Weight	37kg				
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					
Safety	IEC621091-, IEC621092-				
EMC	EN610001-6-, EN610003-6-, FCC15 classB				
RoHS	Yes				

Application



House



Countryside



Farm



Telecom



Pasture



Island