

INSOLA



Solar storage inverter

SEI-4K-SP/4.6K-SP/
5K-SP/5.5K-SP/6K-SP



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

MODELS	SEI-4K-SP	SEI-4.6K-SP	SEI-5K-SP SEI-5.5K-SP	SEI-6K-SP	CAN BE SET
OFF-GRID OUTPUT					
RATED OUTPUT POWER	4,000W	4,600W	5,500W	6,000W	
Max. Peak Power	8,000VA	9,200VA	11,000VA	12,000VA	
Rated Output Voltage	230Vac, single phase				✓✓
Load Capacity of Motors	3HP	4HP			✓✓
Output Frequency Range	50Hz ± 0.3Hz/60Hz ± 0.3Hz				
Switching Time	10ms (typical value)				
ON-GRID OUTPUT					
Rated Output Power	4,000W	4,600W	5,500W	6,000W	
Max. Apparent Power	8,000VA	9,200VA	11,000VA	12,000VA	
Rated. Output Current	17.4A	20A	24A	26A	
Max. Output Current	19.1A	22A	26.4A	28.6A	
THDI	< 3%				
Power Factor	0.8 leading to 0.8 lagging				
Rated Voltage	230Vac, single phase				
Frequency	50Hz/60Hz				
BATTERY					
Battery Type	Lead-acid / Li-ion / User-defined				✓✓
Rated Battery Voltage	48V (minimum start-up voltage 44V)				
1Battery Voltage Range	40~60Vdc				✓✓
Max. PV Charging Current	100A				✓✓
Max. Utility Charging Current	60A				✓✓
Max. Generator Charging Current	60A				✓✓
PV INPUT					
Num. of MPPT	2				
Max. Input Power	3,000W+3,000W	3,500W+3,500W	4,000W+4,000W	4,500W+4,500W	
Max. Input Current	16A+16A				
Max. Short-circuit Current	27A+27A				
Max. Open-circuit Voltage	500Vdc+500Vdc				
MPPT Operating Voltage Range	120~450Vdc				
UTILITY / GENERATOR INPUT					
Input Voltage Range	90~280Vac				
Input Frequency Range	5060/Hz				
Bypass Overload Current	40A				
EFFICIENCY					
MPPT Tracking Efficiency	99.9%				
Max. Efficiency	97.5%				
GENERAL					
Num. of Parallel	1~6 units				
Dimension	556*345*182mm				
Weight	20kg				
Protection Degree	IP65				
Operating Temperature Range	-25~60°C (>45°C derating)				
Humidity Range	0% ~ 100%				
Noise	<60dB				
Cooling Method	heatsink & intelligent air cooling				
Warranty	5 years				
COMMUNICATION					
Internal Interface	RS485 / CAN / USB / Dry contact				✓✓
External Module (optional)	Wi-Fi / GPRS				✓✓
CERTIFICATION					
On-grid Certification	EN505491-, G99, NRS-097, VDE-ARN-4105, CEI021, UNE217002				
Safety	IEC621091-, IEC621092-				
EMC	EN610001-6-, EN610003-6-, FCC15 classB				

Application



House



Countryside



Farm



Telecom



Pasture



Island