

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

Solar storage inverter



Efficiency

- Advanced MPPT with up to 99.9% efficiency
- Up to 16A+16A PV input current

Safety

- Comprehensive security from hardware to software
- Multiple safety approvals

All in one

- Up to 100A 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

SEI

Application scenario





Product Parameters

Model	SEI-4K-SP	SEI-5K-SP	SEI-6K-SP
Inverter Output			
Rated Output Power	4,000W	5,500W	6,000W
Max. Peak Power	8,000VA	11,000VA	12,000VA
Rated Output Voltage	230Vac, single-phase		
Load Capacity Of Motors	3HP	4HP	4HP
Output Frequency Range	50Hz±0.3Hz / 60Hz±0.3Hz		
Switch Time	10ms (typical value)		
Num. of Parallel	1~6 units		
ON-GRID Output			
Rated Output Power	4,000W	5,500W	6,000W
Max. Apparent Power	8,000VA	11,000VA	12,000VA
Max. Output Current	19.1A	26.4A	28.6A
Rated Voltage	230Vac, single-phase		
Frequency	50Hz/60Hz		
Battery			
Battery Type	Li-ion / Lead-acid / User-defined		
Rated Battery Voltage	48V		
Battery Voltage Range	40~60Vdc		
Max. PV Charging Current	100A		
Max. Utility/Generator Charging Current	60A		
PV Input			
Num. Of MPPT Trackers	2		
Max. Input Power	3,000W+3,000W	4,000W+4,000W	4,500W+4,500W
Max. input Current	16A+16A		
Max. Open-circuit Voltage	500Vdc+500Vdc		
Utility /generator Input			
Input Voltage Range	UPS mode:170~280Vac; APL mode:90~280Vac		
Input Frequency Range	50Hz/60Hz		
Bypass Overload Current	40A		
General			
Dimensions	556*345*182mm		
Weight	20.8kg		
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 Interfaces	RS485 / CAN / USB / Dry Contact		
External Modules (Optional)	Wi-Fi / GPRS		