



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-UP	SEI-10K-UP	SEI-12K-UP	Adjustable
Inverter Output				
Rated Output Power	8,800W	10,000W	10,000W	
Max.Peak Power	17,600VA	20,000VA	24,000VA	
Rated Output Voltage	120/240Vac, single-phase / split-phase / three-phase(parallel)			√
Load Capacity of Motors	5HP	6HP	6HP	
Output Frequency	50Hz/60Hz			
Battery				
Battery Type	Lead-acid / Li-ion / User-defined			√
Rated Battery Voltage	48V			
Max. PV Charging Current	200A			√
Max. Mains Charging Current	120A			√
Max. Alternator Charging Current	60A			
Max. Hybrid Charging Current	200A			√
PV Input				
Num. of MPPT	2			
Max. PV Array Power	5,500W+5,500W	5,500W+5,500W	6,600W+6,600W	
Max. Input Current	22A+22A			
Max. Open-circuit Voltage	500Vdc+500Vdc			
MPPT Operating Voltage Range	125~425Vdc			
Mains / Generator Input				
Input Voltage Range	90~140Vac			√
Frequency Range	50/60Hz			
General				
Num. of Parallel	1~6 units			
Dimensions	750*440*240mm (2.46*1.44*0.79ft)			
Weight	42kg (92.59lb)			
Protection Degree	IP65			
Operating Temperature Range	-25~60 C ,>45 C derated			
Cooling Method	Intelligent air-cooling			
Warranty	5 years			
Communication				
Embedded Interfaces	RS485 / CAN / USB / Dry contact			√
External Modules (optional)	Wi-Fi / GPRS			√
Certification				
Safety	IEC62109-1, IEC62109-2			
Rohs	Yes			