



# SEI Series

## Hybrid Solar Storage Inverter

### Efficiency

- Advanced MPPT with up to 99.9% efficiency
- Up to 32A\*2 PV input current

### Safety

- With software and hardware security protection
- Multiple safety approvals

### All-in-One

- Up to 240A charging current
- Supports Li-ion battery BMS communication

### Reliable

- Output 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

#### Application scenario



House



Farm



Telecom



Countryside



Island



Pasture

MODEL	SEI-8K-UPRO	SEI-10K-UPRO	SEI-12K-UPRO	Settable
<b>Inverter Output</b>				
Rated Output Power	8.8kW	10kW	@240V 12kW @208V 10.4kW	
Max. Peak Power	1.5 times rated power			
Rated Output Voltage	120/240Vac (Split-phase) ; 120/208V(Three-phase)			✓
Output Voltage Error	@240V 36.6A @208V 42.3A	@240V 41.7A @208V 48.1A	50A	
Load Capacity of Motors	5HP	6HP		
Rated AC Frequency	50/60Hz			✓
Waveform	Pure Sine Wave			
Parallel Capacity	1 to 6 units (2 or more units can form a three-phase output)			
<b>Battery</b>				
Battery Type	Li-ion / Lead-Acid / User Defined			✓
Rated Battery Voltage	48Vdc			
Battery Voltage Range	40-60Vdc			✓
Max. Grid Charging Current	200A			✓
Max. Generator Charging Current	90A			✓
Max. Hybrid Charging Current	240A			✓
<b>PV Input</b>				
No. Of MPPT	2			
Max. PV Array Power	6.6kW / 6.6kW	7.5kW / 7.5kW	9kW / 9kW	
Max. Input Current	32A+32A			
Short-Circuit Current Isc	40A+40A			
Max. Voltage of Open Current	550Vdc+550Vdc			
MPPT Voltage Range	125-450Vdc / 125-450Vdc			
<b>Grid / Generator Input</b>				
Input Voltage Range	90-140Vac			
Frequency Range	50/60Hz			
Maximum Bypass Overload Phase Current	200A (5S)			
Continuous Grid Passthrough Current	180A			
<b>Efficiency</b>				
MPPT Tracking Efficiency	99.9%			
Max Efficiency	97.5%			
CEC Efficiency	96.5%			
<b>Communication</b>				
Communication Port	RS485 / CAN / USB / Dry contact			
External Modules (Optional)	Wi-Fi / GPRS			
<b>Basic Data</b>				
Dimensions	840*440*260mm			
Weight	48kg			
Protection Degree	IP65			
Operating Temperature Range	-25-60°C, >45°C derated			
Noise	<60dB			
Self-consumption	<100W			
Cooling Method	Heat sink + intelligent fan cooling			
<b>Certified Specifications</b>				
Safety Standards	UL1741&IEEE1547.1-2020, CEC, RULE 21, HECO			
EMC	FCC 15 class B			
RoHS	Yes			