

Namkoo

NK-SEI Series / American Standard Split-phase/Three Phase Inverter



Features

- Advanced MPPT with up to 99.9% efficiency
- Up to 32A*2 PV input current
- With software and hardware security protection
- Multiple safety approvals
- Up to 240A charging current
- Supports Li-ion battery BMS communication
- Output high-quality pure sine wave AC power
- With IP65 protection degree
- Industrial design with a modern aesthetic look
- Easy to install and simple to use
- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley

MODEL	SEI-8K-UPRO	SEI-10K-UPRO	SEI-12K-UPRO	Settable
Inverter Output				
Rated Output Power	8.8kW	10kW	@240V 12kW @208V 10.4kW	
Max. Peak Power	1.5 times rated power @10S; 2 times rated power @0.5S			
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)			
Battery				
Battery Type	Li-ion / Lead-Acid / User Defined			✓
Rated Battery Voltage	48Vdc			
Battery Volatge Range	40~60Vdc			✓
Max. Grid Charging Current	200A			✓
Max. Generator Charging Current	90A			✓
Max. Hybrid Charging Current	240A			✓
PV Input				
No. of MPPT Trackers	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. Open Circuit Voltage	550Vdc / 550Vdc			
MPPT Voltage Range	125~450Vdc / 125~450Vdc			
Grid / Generator Input				
Input Voltage Range	90~140Vac			
Frequency Range	50/60Hz			
Continuous Grid Passthrough Current	200A			
Efficiency				
MPPT Tracking Efficiency	99.9%			
Max Efficiency	97.5%			
CEC Efficiency	96.5%			
Communication				
Communication Port	RS485 / CAN / USB / Dry contact			
External Modules (Optional)	Wi-Fi / GPRS			
Basic Data				
Dimensions	840*440*260mm			
Weight	48kg			
Protection Degree	IP65			
Operating Temperature Range	-25~60℃, >45℃ derated			
Noise	<60dB			
Self-comsumption	<100W			
Cooling Method	Heat sink + intelligent fan cooling			
Certified Specifications				
Safety Standards	UL1741&IEEE1547.1-2020, CEC, RULE 21, HECO			
EMC	FCC 15 class B			
RoHS	Yes			