



SEI-16K-H3P
SEI-18K-H3P
SEI-20K-H3P

Solar storage inverter

Efficiency

- Advanced MPPT with up to 99.9% efficiency
- Up to 26A+26A+26A PV input current

Reliable

- Outputs high-quality pure sine wave AC power
- With IP65 protection degree
- Up to 9 units can be connected in parallel.

Safety

- Comprehensive security from hardware to software
- Multiple safety approvals

User-friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

All-in-one

- Up to 350A charging current
- Supports lead-acid battery and li-ion battery

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-16K-H3P	SEI-18K-H3P	SEI-20K-H3P	Adjustable
AC OUTPUT (LOAD)				
Rated Output Power	16000W	18000W	20000W	
Max. Peak Power	32000VA	36000VA	40000VA	
Rated Output Voltage	230/400Vac (Three-Phase)			✓
Load Motor Capacity	10HP	11HP	12HP	
Rated Frequency	50/60Hz ± 0.3Hz			✓
Waveform	Pure sine wave			
Switch Time	10ms (Typical)			
AC OUTPUT (GRID)				
Rated Output Power	16000W	18000W	20000W	
Max. Apparent Power	32000VA	36000VA	40000VA	
Power Factor	0.8 leading to 0.8 lagging			
Rated Voltage	3L/N/PE 230/400Vac			
Rated AC Frequency	50/60Hz			
Rated Output Current	23.2A	26.1A	29A	
THD	<3%			
BATTERY				
Battery Type	Lithium-ion Battery / Lead-acid Battery / User-defined			✓
Rated Battery Voltage	48Vdc			
Battery Voltage Range	40~60Vdc			
Max. Grid Charging Current	300Adc	330Adc	350Adc	✓
Max. Generator Charging Current	300Adc	330Adc	350Adc	✓
Max. Hybrid Charging Current	300Adc	330Adc	350Adc	✓
PV INPUT				
No. of MPPT Trackers	3			
Max. PV Input Power	24000W	27000W	30000W	
Max. PV Input Current	26Adc / 26Adc / 26Adc			
Max. Short Circuit Current	45Adc / 45Adc / 45Adc			
Max. Open Circuit Voltage	1000Vdc			
MPPT Voltage Range	160~800Vdc			
GRID/GENERATOR INPUT				
Input Voltage Range	Phase Voltage: 170V~280V; Line Voltage: 305V~485V			
Input Frequency Range	50Hz / 60Hz			
Bypass Overload Current	70A			
EFFICIENCY				
MPPT Tracking Efficiency	99.9%			
Max. Efficiency	≧97.8%			
European Efficiency	97.2%	97.5%	97.5%	

GENERAL DATA			
Parallel Capacity	1~9 Units		
Dimensions	800x470x313mm	Humidity Range	0~100%
Weight	59.5kg	Cooling Method	Heat sink + intelligent fan cooling
Protection Level	IP65	Noise	<55dB
Temperature	-25 to +60℃, >45℃ Derate	Communication Port	RS485 / CAN / USB / Dry contact
Warranty	5 years	External Module	WIFI / 4G Stick
Certificate	EN50549,VDE4105,IEC62109-1, IEC62109-2,EN61000-6-1, EN61000-6-3, FCC 15 class B, RoHS		
PROTECTION			
PV lightning protection, anti-islanding protection, reverse connection protection for PV input, insulation resistance detection, leakage current detection, output overcurrent protection, output short-circuit protection			
Overvoltage Protection Level	AC type II/DC type III	Surge Protection	AC type II/DC type II