



## Hybrid Inverter

Sunseeker 5KW  
Sunseeker 6KW

### Description

Introducing Sunseeker 5/6KW: IP65 waterproof-rated for outdoor resilience. Boasting 99.9% efficiency with advanced MPPT technology and 2 x 16A PV inputs for powerful demands. This sleek unit seamlessly combines durability with style for easy installation.

Ensuring unmatched safety, it offers 360-degree protection, endorsed by EU and North American certifications. Its smart Li-ion BMS dual activation and cost-saving peak-valley functions redefine energy management. Plus, superior Li-ion battery BMS communication keeps you connected. SUNSEEKER 5/6KW: Efficient, Safe, Revolutionary."

### Features

- ☉ Waterproof protection to ensures durability with IP65 rating suitable for outdoor installations.
- ☉ Utilizes advanced MPPT technology, reaching up to 99.9% efficiency
- ☉ With 2 MPPTs, supporting up to 32A PV input current, ideal for high-power demands
- ☉ Features an industrial design with a modern aesthetic; straightforward to install and use
- ☉ Provides 360-degree security, from robust hardware to reliable software
- ☉ Holds safety certifications from both the EU and North America
- ☉ Offers exclusive Li-ion battery BMS dual activation and a cost-saving peak-valley time-slot function

## Technical Specification

Model	Sunseeker 5KW	Sunseeker 6KW
Battery Type	Lithium or Lead-acid	
Battery Voltage	48VDC	
<b>PV INPUT</b>		
MPPT Number	2	
Maximum PV Array Power	4,000W+4,000W	4,500W+4,500W
PV Array MPPT Voltage Range	120 to 450VDC	
Max. PV Array Open Circuit Voltage	500VDC	
PV Max Input Current	16A x 2	
<b>AC/GENERATOR INPUT</b>		
AC Input Voltage	170 - 280VAC	
Frequency Range	50Hz/60Hz	
<b>INVERTER OUTPUT</b>		
Rated Power	5000W	6000W
Surge Power	10000VA	12000VA
AC Voltage Regulation (Battery)	230VAC	
Output Voltage Waveform	Pure sine wave	
Peak Efficiency	92%	
MPPT Tracking Efficiency	99.9%	
Transfer Time	10ms typical	
Load Capacity of Motors	4HP	
Total Harmonic Current	< 3%	
Power Factor	1	
Permitted parallel number	1~6 (single phase / three-phase)	
<b>SOLAR/AC CHARGER</b>		
MPPT Max Charging Current	100A	
Max. Mains / Generator Charging Current	60A	
Max. Hybrid Charging Current	100A	
<b>MECHANICAL DATA</b>		
Dimensions (D × W × H)	556 x 345 x 182mm	
Net Weight	20kg	
Protect Level	IP65	
<b>Operation Environment</b>		
Ambient temperature range	-25~55°C, >45°C	
Storage temperature	-25°C to 60°C	
Humidity	0% to 100%	
Safety Certification	IEC62109-1, IEC62109-2	
Cooling	Forced air cooling, variable speed fan	
<b>Other Features</b>		
Communication connectivity	WIFI / RS485 / CAN / USB / DRY CONTACT	
Compliance		
Warranty	5 years	