

HESS-OF-S-5.0K



Efficiency

- Advanced MPPT with up to 99.9% efficiency
- Multiple charge and discharge modes are available

Reliable

- Outputs high-quality pure sine wave AC power
- Reliable output for long periods at rated power

Powerful

- Support for many types of batteries
- Supports Li-ion battery BMS communication

User-Friendly

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

Safety

- 360 degrees of security from hardware to software
- Multiple safety approvals available

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Remote monitoring Operating parameters

Model	HESS-OF-S-5.0K
Inverter Output	
Rated Output Power	5000W
Max. Peak Power	10000VA
Rated Output Voltage	230VAC
Load Capacity of Motors	4HP
Rated AC Frequency	50Hz / 60Hz
Waveform	Pure Sine Wave
Switch Time	10ms (typical)
Battery	
Battery Type	Li-Ion / Lead-Acid / User Defined
Rated Battery Voltage	48VDC
Voltage Range	40-60VDC
Max. MPPT Charging Current	80A
Max. Mains / Generator Charging Current	60A
Max. Hybrid Charging Current	80A
PV Input	
Num. of MPP Trackers	1
Max. PV array power	5200W
Max. input current	18A
Max. Voltage of Open Circuit	500VDC
MPPT Voltage Range	120-450VDC
Mains / Generator Input	
Input Voltage Range	UPS: 170-280VAC APL: 90-280VAC
Frequency Range	50Hz / 60Hz
Bypass Overload Current	40A
Efficiency	
MPPT Tracking Efficiency	99.9%
Max. Battery Inverter Efficiency	92%
General	
Dimensions	426*322*124mm
Weight	10.8Kg
Ingress Protection Degree	IP20; Indoor Only
Operating Temperature Range	-15° C ~ 55° C
Noise	<60dB
Cooling Method	Intelligent fan
Communication	
Embedded Interfaces	RS485 / CAN / USB / Dry contact
External Modules (Optional)	WiFi / GPRS
Certification	
Safety	IEC 62109
EMC	EN 61000
RoHS	Yes