

# SOLARIC H.O.G. Hybrid Off Grid Inverter

Hybrid OFFGRID Inverter / Charge

- Pure sine wave inverter.
- Built-in MPPT solar charge controller.
- Built-in automatic AC Charger
- Built-in ATS to switch from Solar, Battery, and Grid.
- Selectable charging current.
- Configurable AC/Solar input priority via LCD setting.
- Compatible with Generators (HOG 5kVA only).
- Parallel up to 6 x 5kVa HOGs to build a 30kVa system.
- Overload and short circuit protection.
- Smart battery charger design for optimized battery performance.
- Ability for your appliances to use Solar first, then Battery, then Grid last.
- 1 Year Warranty against manufacturer's defects.

MODEL	HOG 3KVA	HOG LITE 5KVA	HOG 5KVA
Rated power	3000VA / 2400A	5000VA / 4000W	5000VA / 4000W
<b>INPUT</b>			
Voltage	230 VAC		
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)		
Frequency Range	50 Hz/60 Hz ( Auto Sensing)		
<b>OUTPUT</b>			
AC Voltage Regulation (Batt. Mode)	230VAC + 5%		
Surge Power	6000VA	10000VA	10000VA
Efficiency (Peak)	90% - 93%		
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)		
Waveform	Pure Sine Wave		
<b>BATTERY &amp; AC CHARGER</b>			
Battery Voltage	24 VDC	48 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC	54 VDC
Overcharge Protection	31 VDC	60 VDC	60 VDC
Maximum Charge Current	20 A or 30 A		
<b>SOLAR CHARGER</b>			
Maximum PV Array Power	1500 W	3000 W	3000 W
MPPT Range @ Operating Voltage	30VDC ~ 115VDC	60VDC ~ 115VDC	60VDC ~ 115VDC
Maximum PV Array Open Circuit Voltage	100 VDC	145 VDC	145 VDC
PV Max Charging Current	40A PV max	60A PV max	80A PV max
AC Max Charging Current	25A AC max	60A AC max	60A AC max
Total Max Charging Current	60A total max	120A total max	140A total max
Maximum Efficiency	98%		
Standby Power Consumption	2 W		
<b>PHYSICAL</b>			
Dimension D x W x H (mm)	128 x 272 x 355	100 x 440 x 300	140 x 295 x 540
Maximum PV Array Power	8.0	13.5	13.5
<b>OPERATING ENVIRONMENT</b>			
Humidity	5% to 95% Relative Humidity (Non-Condensing)		
Operating Temperature	-10°C - 55°C	-10°C - 55°C	0°C - 55°C
Storage Temperature	-15°C - 60°C		

Product specifications are subject to change without further notice.



## SOLARIC H.O.G.- Inverter Selection Guide



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**SOLARIC**  
TURN ON THE SUN