



SPARROW SERIES

OFF GRID SOLAR INVERTER

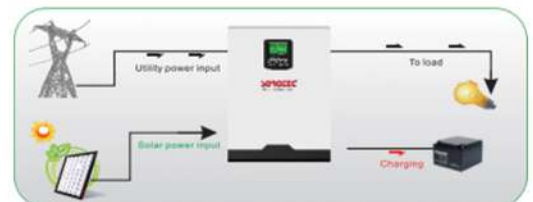
1.5KW NOMINAL VOLTAGE
230VAC



MAIN FEATURES

-  Pure sine wave MPPT solar inverter
-  High PV input voltage range (90-430VDC)
-  Built-in 80A MPPT solar charger
-  Built-in anti-dust kit for harsh environment (optional)
-  Compatible with lithium-ion battery
-  Smart battery charge design to optimize battery life
-  Can meet the rich customs needs of customers
-  Can work without battery
-  Solar energy is provided directly to the load first
-  WIFI / GPRS available for IOS and android

HYBRID OPERATION With Battery



Without Battery



TECHNICAL PARAMETER

MODEL	1.5KW	2.4KW
Rated Power	1500VA / 1500W	3000VA / 2400W
INPUT		
Voltage	230 VDC	
Selectable Charge Voltage	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)	
Overcharge Protection	50 Hz / 60 Hz (Auto Sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230 VAC +- 5%	
Surge Power	3000VA	4800VA
Efficiency (Peak) BAT to INV	94%	
Efficiency (Peak) PV to INV	97%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure Sine Wave	
BATTERY		
Battery Voltage	12 VDC	24 VDC
Floating Charge Voltage	13.5 VDC	27 VDC
Overcharge Protection	16 VDC	33 VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Open Circuit Voltage	450 VDC	450 VDC
Maximum RV Array Power	2000 W	3000 W
MPPT Range @ Operating Voltage	90 ~ 430 VDC	90 ~ 430 VDC
Maximum Solar Charge Current	80A	80A
Maximum AC Charge Current	60A	60A
Maximum Efficiency	98%	
PHYSICAL		
Dimension D x W x H (mm)	348 x 270 x 95	348 x 270 x 95
Net Weight (kgs)	4.0	5.0
Communication Interface	RS232 (Standard) GPRS / WIFI (Optional)	
ENVIRONMENT		
Humidity	5% - 95% Relative Humidity (Non-Considering)	
Operating Temperature	0 C - 55 C	
Storage Temperature	-15 C - 60 C	