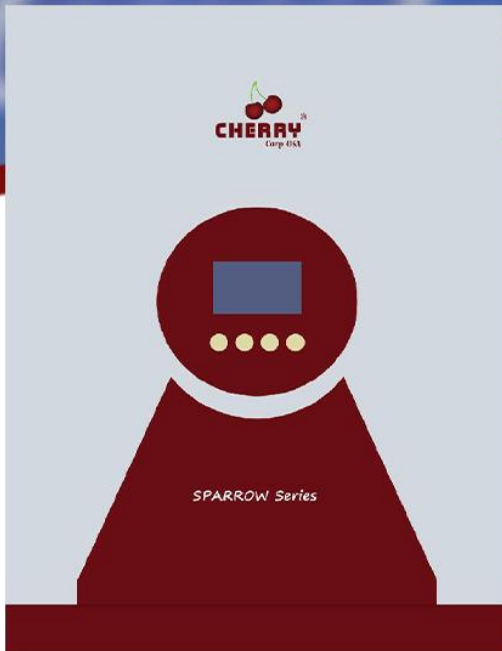


MPPT SOLAR INVERTER

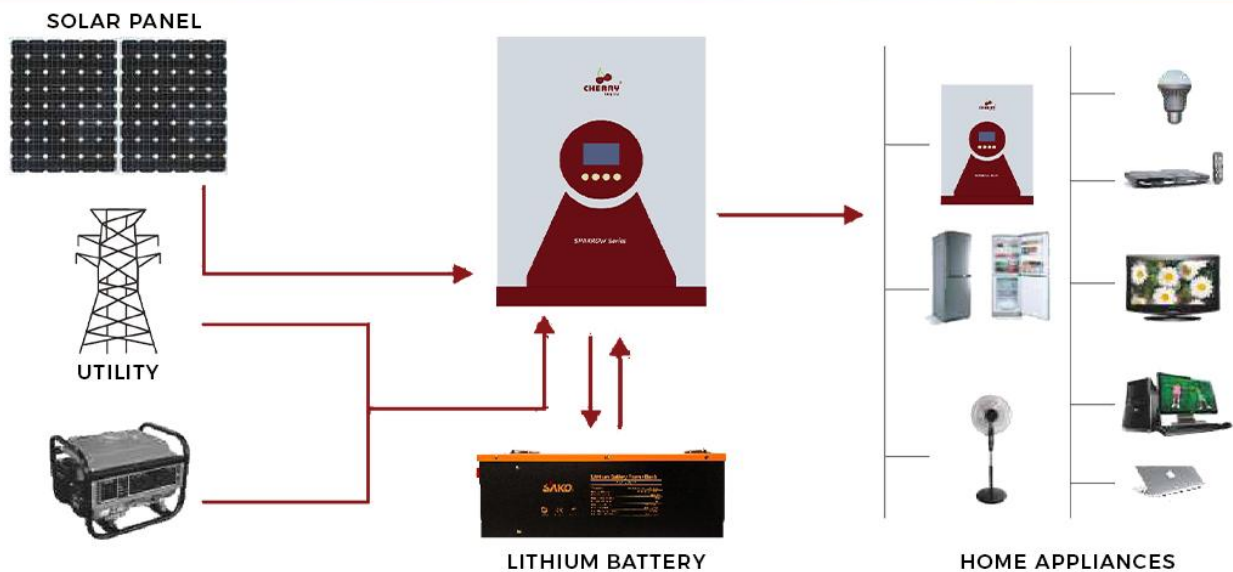
SPARROW SERIES



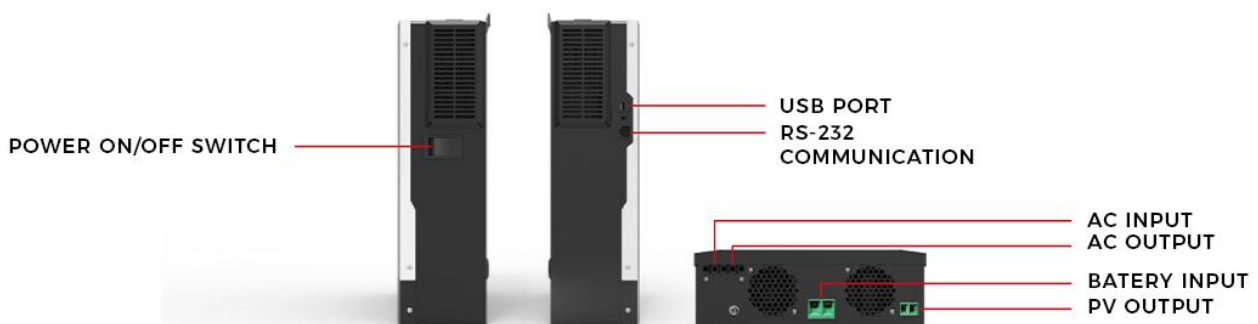
MAIN FEATURES

- + MPPT Solar charge controller inside
- + Smart battery protection, compatible with LiFePo4.
- + Wide PV input range 130-450V
- + Reliable quality, economic design.
- + Configurable battery & AC/Solar priority via LCD setting.

SOLAR SYSTEM CONNECTION



BACK PANEL



MPPT SOLAR INVERTER

SPAROW SERIES

TECHNICAL PARAMETERS

MODEL	3KVA/2.4KW
The rated power	3000VA/2400W
INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280VAC (UPS),90-280VAC (Appliances)
Frequency Range	50Hz/60Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Model)	230VAC \pm 5%
Surge Power	6000VA
Power factor	0.8
Efficiency(Peak)	> 90%
Transfer Time	10ms (UPS), 20ms (Appliances)
Wave form	Pure sine wave
No load current	1.0A
BATTERY	
Battery voltage	24VDC
Low battery alarming voltage	22.0VDC
Low battery cut off protection voltage	21VDC
Low battery recovery voltage	23.0VDC
Floating Charge Voltage	27VDC
Overcharge Protection	32VDC
MPPT SOLAR CHARGER & AC CHARGER	
Maximum PV Array Power	3000W
MPPT Range Operation Vol	130-450VDC
Maximum PV Array Open Circuit Vol.	450VDC
Number of MPPT trackers / Max output current	80A
Maxmum AC Charge Current	60A
Maxmum Charge Current	80A
Maxmum Efficiency	98%
BEST PANEL CONFIGUTATION	
Maximum PV Array Power	3000W
Best Panel configuration	330Wp*9pcs*36V(2970Wp)
PHYSICAL	
Products Dimension, D*W*H(mm)	350mm*270mm*98mm
Packing size, D*W*H(mm)	413mm*350mm*173mm
Net Weight (kgs)	5.1KG
G.W. kg	5.8KG
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operation Temperature	- 10 $^{\circ}$ C - 50 $^{\circ}$ C