

OFF-GRID SOLAR INVERTER

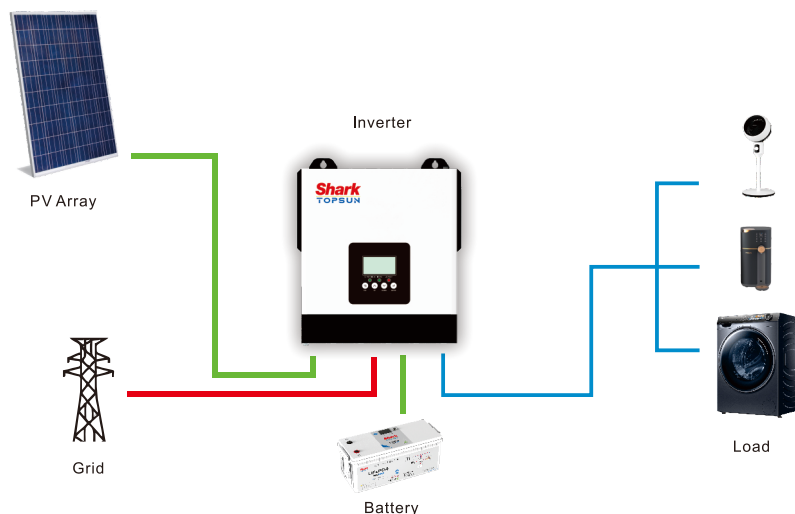
STS-HYM-121015H 1.5KW



Main Features //

- ◆ Lithium battery activation function by PV
- ◆ Pure Sine Wave
- ◆ PV Array MPPT Voltage Range: 30-500Vdc
- ◆ Built-in MPPT 100A
- ◆ Detachable dust cover for harsh environment
- ◆ Support multiple output priority: UTL,SOL,SBU,SUB
- ◆ EQ function to optimize battery performance and extend lifecycle

Product Connection //



Specification //

MODEL	STS-HYM-121015H
Capacity	1500VA/1500W
Parallel Capability	NO
Lithium Battery Activation	YES(By PV)
Lithium battery Communication	NO
Battery Wake-up Function	YES
INPUT	
Nominal Voltage	230VAC
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)
Frequency	50/60 Hz (Auto sensing)
OUTPUT	
Nominal Voltage	220/230VAC±5%
Surge Power	3000VA
Frequency	50/60 Hz
Waveform	Pure Sine wave
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)
Peak Efficiency (PV to INV)	96%
Peak Efficiency (Battery to INV)	93%
Overload Protection	5s@ > =140% load; 10s@100%~140% load
Crest Factor	3:1
Admissible Power Factor	0.6~1 (inductive or capacitive)
BATTERY	
Battery Voltage	12Vdc
Floating Charge Voltage	13.5Vdc
OverCharge Protection	16.5Vdc
Charging Method	CC/CV
SOLAR CHARGER & AC CHARGER	
Solar Charger TYPE	MPPT
Max.PV Array Power	2000W
Max. PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	30VDC~500VDC
Max. Solar Input Current	15A
Max. Solar Charge Current	100A
Max. AC Charge Current	60A
Max. Charge Current(AC+PV)	100A
PHYSICAL	
Dimensions, D x W x H(mm)	330*278*98
Package Dimensions, D x W x H(mm)	400*365*174
Net Weight (Kgs)	3.8
Communication Interface	RJ45 For WiFi
ENVIRONMENT	
Operating Temperature Range	-10°C to 55°C
Storage temperature	-15°C~ 60°C
Humidity	5% to 95% Relative Humidity (Non-condensing)