

OFF-GRID SOLAR INVERTER

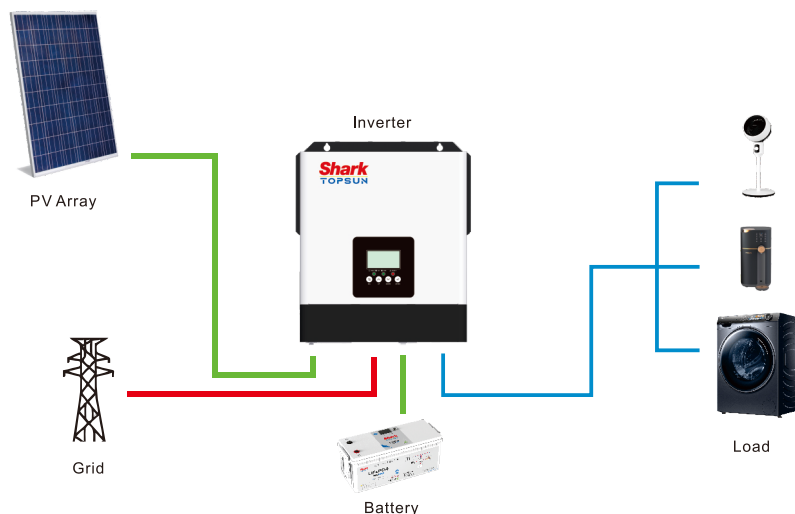
STS-HYM-241035 3.5KW



Main Features //

- ◆ Pure sine wave
- ◆ Power factor 1.0
- ◆ PV input Voltage 60Vdc-500Vdc
- ◆ Built-in MPPT 100A
- ◆ Lithium Battery Activation
- ◆ Compatible work with LifePO4 Battery via RS485
- ◆ Capable to work without battery
- ◆ Detachable dust cover for harsh environment
- ◆ WiFi remote monitoring optional
- ◆ Support multiple output priority: UTL, SOL, SBU, SUB
- ◆ EQ function to optimize battery performance and extend lifecycle

Product Connection //



Specification //

MODEL		STS-HYM-241035
CAPACITY		3.5KVA/3.5KW
Parallel Capability		NO
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		7000VA
Frequency		50/60Hz
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		24.0VDC
Floating Charge Voltage		27.0VDC
OverCharge Protection		33.0VDC
Charging Method		CC / CV
Lithium Battery Activation		YES
Lithium Battery Communication		YES(RS485)
SOLAR CHARGER & AC CHARGER		
Solar Charger TYPE		MPPT
Max.PV Array Power		4000W
Max.PV Array Open Circuit Voltage		500VDC
PV Array MPPT Voltage Range		60VDC~500VDC
Max.Solar Input Current		15A
Max.Solar Charge Current		100A
Max.AC Charge Current		80A
Max.Charge Current(PV+AC)		100A
PHYSICAL		
Dimensions,D x W x H(mm)		358x295x105.5
Package Dimensions,D x W x H(mm)		465x380x175
Net Weight(Kg)		7
Communication Interface		RS232/RS485
ENVIRONMENT		
Operating Temperature Range		(-10°C to 50°C)
Storage temperature		(-15°C ~ 50°C)
Humidity		5% to 95% Relative Humidity (Non-condensing)