



3KVA HIGH FREQUENCY OFF GRID SOLAR INVERTER



SYSV18-3K PK

FEATURES

- Rated power 3KVA
- Nominal Battery System Voltage 24VDC
- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc.)
- Built-in PWM 50A solar charge controller
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and Deep discharge protection
- Cold start function
- WIFI/GPRS remote monitoring (optional)
- Support USB, RS458 monitoring function with free CD
- Compatible with generator



SPECIFICATIONS

INVERTER OUTPUT	
Rated Power	24VDC / 3000VA / 2400W
Surge Power	6000VA
AC Voltage Regulation (Batt. Mode)	220VAC-240VAC
Inverter Efficiency (Peak)	>93%
Transfer Time	10ms (FST, APL) , 20ms (SLO)

AC INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280VAC(FST), 90-280VAC (SLO), 184-253VAC(APL)
Frequency Range	50Hz/60Hz (Auto sensing)

BATTERY	
Normal Voltage	24VDC
Floating Charge Voltage	27VDC
Overcharge Protection	31VDC

MODEL SYSV18-3K PK

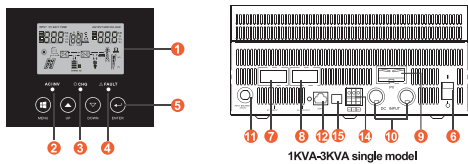
SOLAR CHARGER & AC CHARGER	
Max. PV Array Open Circuit Voltage	80VDC
Standby Power Consumption	2W
PV Input power Power	3000W
(PWM) Max. Solar Charge Current	50A
Max. AC Charge Current	20A or 30A
Max. Charge Current	80A

MECHANICAL SPECIFICATIONS	
Dimensions (W*H*D)	272*355*100mm
Packaging Dimensions (W*H*D)	465*373*231mm
Net Weight (kg)	7.8
Gross Weight (kg)	10.3

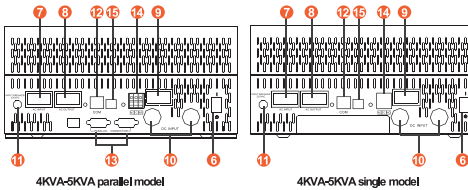
OTHER	
Humidity	5% to 95% Relativ Humidity (Non-condensing)
Operating Temperature	0°C -55°C
Storage Temperature	-15°C -60°C

Output Protection
requires 16Amp Circuit Breaker

LCD Display Information



1KVA-3KVA single model



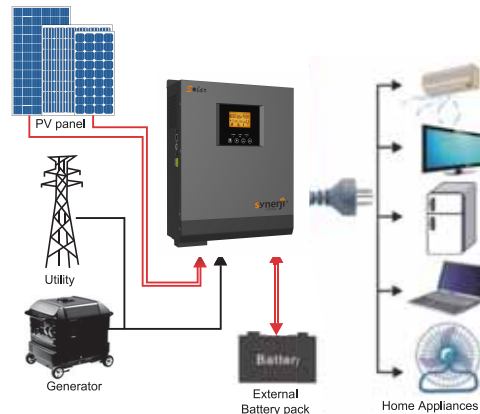
4KVA-5KVA parallel model

4KVA-5KVA single model

- LCD display
- Status indicator
- Discharging/Charging indicator
- Fault indicator
- Function buttons
- Power on/off switch
- AC input
- AC output
- PV input
- Battery input
- Circuit breaker
- RS485 communication port
- Parallel communication cable (only for parallel model)
- Dry contact
- USB

NOTE: For parallel model installation and operation, please check separate parallel installation guide for the details.

Solar System Connection



Back Panel



APPROXIMATE BACK-UP TIME TABLE

MODEL	LOAD (VA)	BACK-UP TIME@24V 100Ah(min)	BACK-UP TIME@24V 200Ah(min)
3KVA	300	449	1100
	1500	68	164
	3000	28	67

