

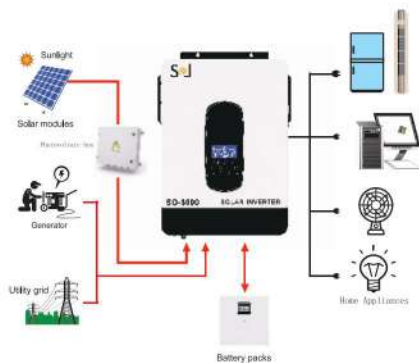


### »» Features

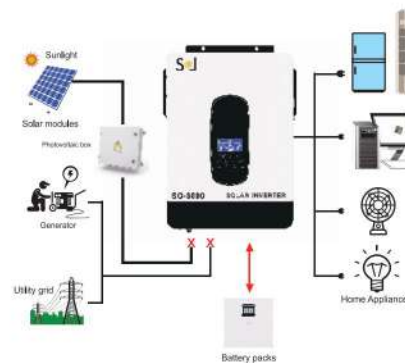
- Pure sine wave inverter
- Programmable supply priority for PV, battery or Grid
- High PV input voltage range(55~450VDC)
- Built-in Max 80A(for 3KW)MPPT solar charger
- Compatible with lithium-ion battery
- Support BMS communication with Lithium battery
- Smart battery charge design to optimize battery life
- Overload, high temperature, inverter output short circuit protection Cold start function
- Intelligent fan speed adjustment
- Built-in anti-dust kit for harsh environment (optional)
- WIFI&GPRS available for IOS and android (optional)

## »» Solar System Connection

- Operation with battery connected
- Solar Power and AC Power available



Solar Power and AC Power not available



## »» Product Data Sheet

MODEL	SD-5000
Rated Power	3200VA/3000W 840W/2540W
<b>INPUT</b>	
Voltage	230VAC
Selectable Voltage Range	170~280VAC(For Personal Computers) 90~280VAC(For Home Appliances)
Frequency Range	50 to 60Hz(Auto sensing)
<b>OUTPUT</b>	
AC Voltage Regulation(Batt.Mode)	230VAC ± 5%
Surge Power	6400VA
Transfer Time	10ms(for personal computers) ; 20ms(for home appliances)
Waveform	Pure Sine Wave
<b>BATTERY &amp; AC CHARGER</b>	
Battery Voltage	24VDC
Floating Charge Voltage	27VDC
Overcharge Protection	31VDC
Maximum Charge Current	60A
<b>SOLAR CHARGER</b>	
Max. PV Array Power	3000W
MPPT Range @ Operating Voltage	55~450VDC
Maximum PV Array Open Circuit Voltage	450VDC
Maximum Charging Current	80A
Maximum Efficiency	98%
<b>PHYSICAL</b>	
Dimension. H*W*D(mm)	405*286*98
Net Weight(kgs)	5.5
Communication Interface	Two communication One RS485 port for BMS ports ; Another RS485/RS232 for remote monitoring
<b>OPERATING ENVIRONMENT</b>	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 55°C
Storage Temperature	-15°C to 60°C