



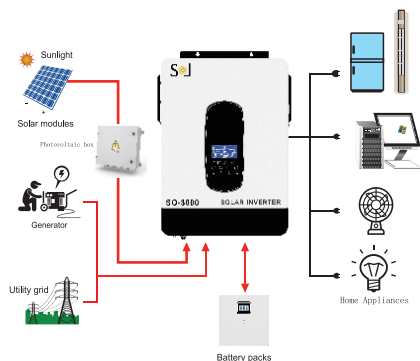


»» Features

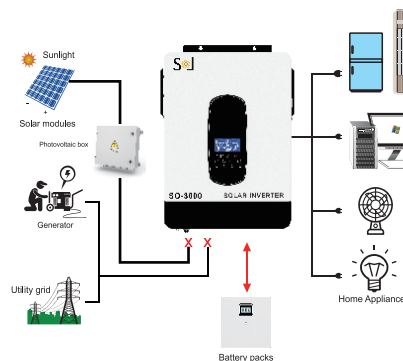
- Pure sine wave inverter
- Programmable supply priority for PV, battery or Grid
- High PV input voltage range(55~450VDC)
- Built-in Max 80A(for 3KW)MPPT solar charger
- Compatible with lithium-ion battery
- Support BMS communication with Lithium battery
- Smart battery charge design to optimize battery 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

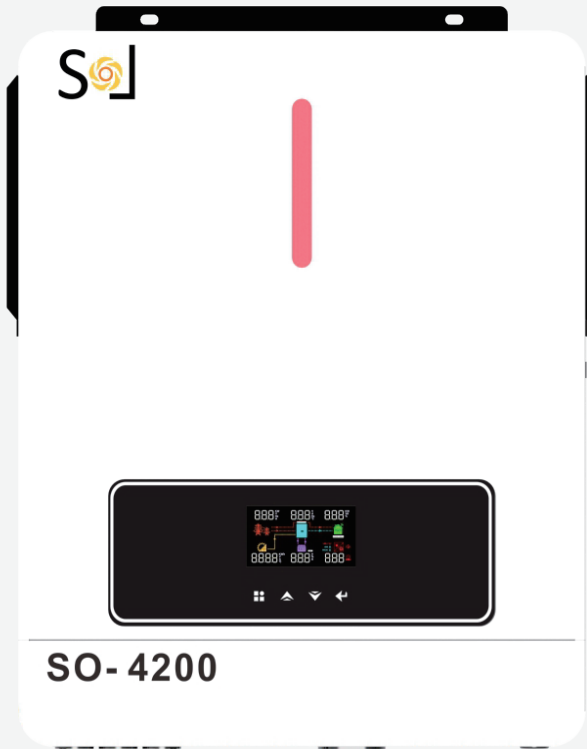
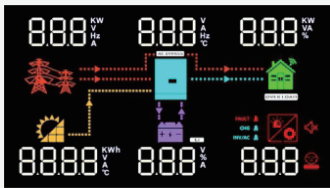


Solar Power and AC Power not available



»» Product Data Sheet

MODEL	SO-3000
Rated Power	3200VA/3000W
INPUT	
Voltage	230VAC
Selectable Voltage Range	170~280VAC(For Personal Computers) 90~280VAC(For Home Appliances)
Frequency Range	50 Hz/60Hz(Auto sensing)
OUTPUT	
AC Voltage Regulation(Batt.Mode)	230VAC ± 5%
Surge Power	6400VA
Transfer Time	10ms(for personal computers) ; 20ms(for home appliances)
Waveform	Pure Sine Wave
BATTERY & AC CHARGER	
Battery Voltage	24VDC
Floating Charge Voltage	27VDC
Overcharge Protection	31VDC
Maximum Charge Current	60A
SOLAR CHARGER	
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%
PHYSICAL	
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
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non~condensing)
Operating Temperature	-10°C to 55°C
Storage Temperature	-15°C to 60°C



»» **Features**

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android (Optional)
- Inverter can run without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Dual communication ports for Battery communication and Wifi communication
- Built-in 120AMPPT Solar charge: max 6200W(for 4.2K)
- High PV input voltage range(60~500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output

»» Product Data Sheet

MODEL	SO-4200
Phase	1-phase
Maximum PV Input Power	6200W
Rated Output Power	4200W/4200VA
Maximum Solar Charging Current	120A
GRID-TIE OPERATION	
PV INPUT(DC)	
Nominal DC Voltage/Maximum DC Voltage	360/500VDC
Start-up Voltage/Initial Feeding Voltage	60VDC/90VDC
MPPT Voltage Range	60~450VDC
Maximum Input Current	1/18A
GRID OUTPUT(AC)	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195~253VAC
Nominal Output Current	18.2A
Power Factor	>0.99
EFFICIENCY	
Maximum Conversion Efficiency(DC / AC)	98%
TWO LOAD OUTPUT POWER	
Full Load	4200W
Maximum Main Load	4200W
Second Load Range	840W~2940W
Maximum Load Cut Off Voltage	26VDC
Maximum Load Return Voltage	27VDC
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC
Acceptable Input Voltage Range	90~280VAC or 170~280VAC
Frequency Range	50±1Hz/60±1Hz
Maximum AC input Current	24.7A
PV INPUT(DC)	
Nominal DC Voltage/Maximum DC Voltage	360/500VDC
MPPT Voltage Range	60~450VDC
Maximum Input Current	1/18A
BATTERY MODE OUTPUT(AC)	
Nominal Output Voltage	220/230/240VAC
Output Wave Form	Pure sine wave
Efficiency (DC to AC)	94%
BATTERY&CHARGER	
Nominal DC Voltage	24VDC
Maximum Solar Charging Current	120A
Maximum AC Charging Current	100A
Maximum Solar+AC Charging Current	120A
HYBRID OPERATION	
PV INPUT(DC)	
Nominal DC Voltage/Maximum DC Voltage	360/500VDC
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC
MPPT Voltage Range	60~450VDC
Maximum Input Current	1/18A
GRID OUTPUT(AC)	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195~253VAC
Nominal Output Current	18.2A
AC INPUT	
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC
Acceptable Input Voltage Range	90-280VAC or 170-280VAC
Maximum AC Input Current	24.7A
Maximum Charging Current	100A
GENERAL	
PHYSICAL	
Dimension ,H*W*D(mm)	420*350*110
Cartoon Dimension ,H*W*D(mm)	500*415*180
Net Weight (kgs)	8.0
Gross Weight(kgs)	9.0
INTERACE	
Communication Port	RS232/RS485/WIFI/GPRS/LITHIUM BATTERY
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C~50°C
STANDARD	
Compliance Safety	CE

HYBRID SOLAR INVERTER

SO-6200



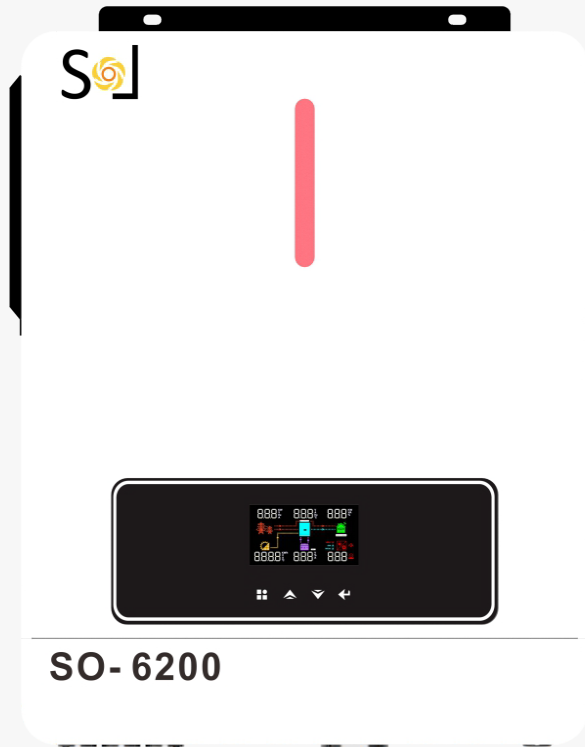
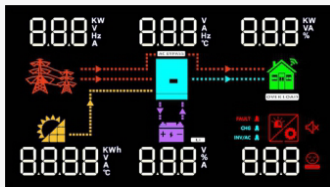
INVERTER MODE



PV MODE



UTILITY MODE



»» Features

- Pure sine wave solar inverter
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android (Optional)
- Inverter can run without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Dual communication ports for Battery communication and Wifi communication
- Built-in 120A MPPT Solar charge: max6500W (for 6.2KW)
- High PV input voltage range(60~500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output

»» Product Data Sheet

MODEL	SO-6200
Phase	
Maximum PV Input Power	6500W
Rated Output Power	6200W/6200VA
Maximum Solar Charging Current	120A
GRID-TIE OPERATION	
PV INPUT(DC)	
Nominal DC Voltage/Maximum DC Voltage	360/500VDC
Start-up Voltage/Initial Feeding Voltage	60VDC/90VDC
MPPT Voltage Range	60~450VDC
Maximum Input Current	1/22A
GRID OUTPUT(AC)	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195~253VAC
Nominal Output Current	27.0A
Power Factor	>0.99
EFFICIENCY	
Maximum Conversion Efficiency(DC / AC)	98%
TWO LOAD OUTPUT POWER	
Full Load	6200W
Maximum Main Load	6200W
Second Load Range	1240W-4340W
Maximum Load Cut Off Voltage	52VDC
Maximum Load Return Voltage	54VDC
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC
Acceptable Input Voltage Range	90~280VAC or 170~280VAC
Frequency Range	50±1Hz/60±1Hz
Maximum AC input Current	36.4A
PV INPUT(DC)	
Nominal DC Voltage/Maximum DC Voltage	360/500VDC
MPPT Voltage Range	60~450VDC
Maximum Input Current	1/22A
BATTERY MODE OUTPUT(AC)	
Nominal Output Voltage	220/230/240VAC
Output Wave Form	Pure sine wave
Efficiency (DC to AC)	94%
BATTERY&CHARGER	
Nominal DC Voltage	48VDC
Maximum Solar Charging Current	120A
Maximum AC Charging Current	100A
Maximum Solar+AC Charging Current	120A
HYBRID OPERATION	
PV INPUT(DC)	
Nominal DC Voltage/Maximum DC Voltage	360/500VDC
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC
MPPT Voltage Range	60~450VDC
Maximum Input Current	1/22A
GRID OUTPUT(AC)	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195~253VAC
Nominal Output Current	27.0A
AC INPUT	
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC
Acceptable Input Voltage Range	90-280VAC or 170-280VAC
Maximum AC Input Current	36.4A
Maximum Charging Current	100A
GENERAL	
PHYSICAL	
Dimension ,H*W*D(mm)	420*350*110
Cartoon Dimension ,H*W*D(mm)	500*415*180
Net Weight (kgs)	8.9
Gross Weight(kgs)	10.0
INTERACE	
Communication Port	RS232/RS485/WIFI/GPRS/LITHIUM BATTERY
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non~condensing)
Operating Temperature	-10°C~50°C
STANDARD	
Compliance Safety	CE