



»» 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 Sotar+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