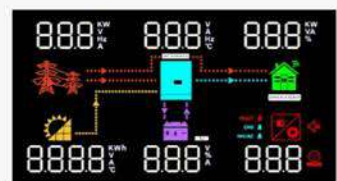




R INVERTER MODE

G PV MODE

B UTILITY MODE



»» Features

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- 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:max 6200W (for 3.6KW/4.2KW)
- Built-in 80A MPPT Solar charge max 6500W (for 3.6KW/48V)
- 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	SUN MAX 3.6KW PLUS	SUN MAX 4.2KW	SUN MAX 6.2KW PV 7000
Phase	1-phase		
Maximum PV Input Power	6200W	6500W	7000W
Rated Output Power	3600W/3600VA		6200W/6200VA
Maximum Solar Charging Current	120A	80A	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	1/22A	1/22A
GRID OUTPUT(AC)			
Nominal Output Voltage	220/230/240VAC		
Output Voltage Range	195~253VAC		
Nominal Output Current	15.7A	18.2A	27.0A
Power Factor	>0.99		
EFFICIENCY			
TWO LOAD OUTPUT POWER			
Maximum Conversion Efficiency(DC / AC)	98%		
Maximum Main Load	3600W	4200W	6200W
Full Load	3600W	4200W	6200W
Second Load Range	720W~2520W		1240W~4340W
Maximum Load Cut Off Voltage	26VDC	52VDC	52VDC
Maximum Load Return Voltage	27VDC	54VDC	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	21.1A	24.7A	36.4A
PV INPUT(DC)			
Nominal DC Voltage/Maximum DC Voltage	360/500VDC		
MPPT Voltage Range	60~450VDC		
Maximum Input Current	1/18A	1/22A	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	24VDC	48VDC	48VDC
Maximum Solar Charging Current	120A	80A	120A
Maximum AC Charging Current	100A	60A	100A
Maximum Solar+AC Charging Current	120A	80A	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	1/22A	1/22A
GRID OUTPUT(AC)			
Nominal Output Voltage	220/230/240VAC		
Output Voltage Range	195~253VAC		
Nominal Output Current	15.7A	18.2A	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	21.1A	24.7A	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)	8.0	8.0	8.9
Gross Weight(kgs)	9.0	9.0	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		