

ON/OFF GRID SOLAR INVERTER

SF-3.6K/SF-4.2K/SF-6.2K SERIES



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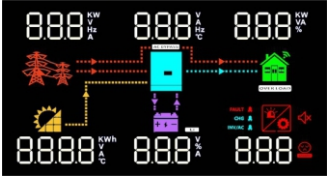
INVERTER MODE

G

PV MODE

B

UTILITY MODE





120A
MAX PV
CHARGING

PURE
SINE WAVE

WORKS
WITH AND WITHOUT
BATTERY

UPGRADED
MPPT

LI-ION

BUILT IN
ANTI DUST
KIT

APP

WIFI&GPRS

LCD Display

RGB
LIGHTS

Dual communication

DUSTPROOF

»» 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),max 6500W (for 6.2KW)
- 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	SF-3.6KW		SF-4.2KW		SF-6.2KW
Phase	1-phase				
Maximum PV Input Power	6200W	6500W	6200W		6500W
Rated Output Power	3600W/3600VA		4200W/4200VA		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	1/18A		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					
Maximum Conversion Efficiency(DC / AC)	98%				
TWO LOAD OUTPUT POWER					
Full Load	3600W		4200W		6200W
Maximum Main Load	3600W		4200W		6200W
Second Load Range	720W~2520W		840W~2940W		1240W~4340W
Maximum Load Cut Off Voltage	26VDC	52VDC	26VDC		52VDC
Maximum Load Return Voltage	27VDC	54VDC	27VDC		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	1/18A		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	24VDC		48VDC
Maximum Solar Charging Current	120A	80A	120A		120A
Maximum AC Charging Current	100A	60A	100A		100A
Maximum Sotar+AC Charging Current	120A	80A	120A		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	1/18A		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℃~50℃				
STANDARD					
Compliance Safety	CE				