



»» 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
- AC output voltage 120VAC
- Built-in 120AMPPT Solar charge: max 4200W (for 3.6KW)
- 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	Phase II hybrid Solar 3.6KW HV	
Phase	1-phase	
Maximum PV Input Power	4200W	
Rated Output Power	3600W/3600VA(3000/3150/3300)	
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	120VAC(100/105/115V settable)
Output Voltage Range	90-150VAC
Nominal Output Current	30A
Power Factor	>0.99
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	98%
TWO LOAD OUTPUT POWER	
Full Load	3600W
Maxium Main Load	3600W
Maxium Second Load(battery mode)	1200W
Maxium Load Cut Off Voltage	26VDC
Maxium Load Return Voltage	27VDC

OFF-GRID OPERATION

AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	110VAC/120VAC
Acceptable Input Voltage Range	90~150AC±2%
Frequency Range	49~51±1HZ
Maximum AC Input Current	40A
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	120VAC(100/105/115V settable)
Output Waveform	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	120VAC(100/105/115V settable)
Output Voltage Range	90-150VAC
Nominal Output Current	30A
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120-140VAC/100VAC
Acceptable Input Voltage Range	90-150VAC
Maximum A C Input Current	40A
Maximum Charging Current	120A

GENERAL

PHYSICAL	
Dimension, D*W*H(mm)	420*350*110
Cartoon Dimension, D *W *H(mm)	500*415*180
Net Weight (kgs)	8.8
Gross Weight(kgs)	10

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