



PSi3.6KW#24VPVN

Features:

- >> Pure sine wave solar inverter(on/off Grid)
- >> Output power factor 1.0
- >> WIFI&GPRS available for IOS and Android
- >> Inverter running without battery
- >> One-key restoration to factory Settings
- >> Built-in Lithium battery automatic activation
- >> Built-in 120A(for 3.6KW/6.2KW)/140A(for 4. 2KW)
- >> MPPT:Max 6200w(for 3.6kw/4.2kw),max 6500w (for 6.2kw) solar charge
- >> High PV input voltage range(90~450VDC) Built-in anti-dusk kit for harsh environment
- >> Smart battery charge design to optimize battery life
- >> Dual output(V2.0)

Technical Specifications

MODEL	Psi-3.6KW#24VPVN
Phase	1-phase
Maximum PV Input Power	6200W
Rated Output Power	3600W
Maximum Solar Charging Current	120A
GRID-TIE OPERATION	
PV input (DC)	
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC
Maximum DC Voltage	90~450VDC
Number of MPPT Trackers/Maximum Input Current	1/27A
GRID OUTPUT(AC)	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195.5~253VAC
Nominal Output Current	15.7 A
Power Factor	>0.99
Feed-in Grid Frequency Range	49~51±1Hz
EFFICIENCY	
Maximum Conversion Efficiency (Solar to AC)	98%
TWO LOAD OUTPUT POWER(V2.0)	
Full Load	3600W
Maximum Main Load	3600W
Maximum Second Load (battery mode)	1200W
Main Load Cut Off Voltage	22VDC
Main Load Return Voltage	24 VDC
OFF-GRID OPERATION	
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	30A
Nominal operating frequency	50/60Hz
Surge power	7200W
BATTERY MODE OUTPUT(AC)	
Nominal Output Voltage	220/230/240VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	%94
BATTERY & CHARGER	
Nominal DC Voltage	24VDC
Maximum Charging Current (Solar to AC)	120A
Maximum AC Charging Current	100A
GENERAL	
PHYSICAL	
Dimensioned x W x H(mm)	420*310*110
Net Weight(kgs)	10
INTERFACE	
Communication Port	RS232/WIFI/Remove LCD/GPRS
ENVIRONMENT	
Operating Temperature	-10 ~50°C