



PSi3000W#12VM & PSi3000W#24VM

Features:

- >> LCD display, easy to read how inverter operates on LCD screen
- >> 5 -levels DIP switch, offering customized performance
- >> 9 - levels battery selector, enable to charge Gel, lead-acid battery
- >> DC/AC priority optional
- >> 4 levels charge current adjustable
- >> With RS232 communication port
- >> With BTS & AGS, optimizing battery performance & start generator automatically
- >> Power saver Switch, enable to minimize standby consumption



Rated power
3KW



Battery DC voltage
12V & 24V



Wide AC input range
155-280Vac



Wide frequency
40HZ-80HZ



Battery smart
charge design



Pure copper
UI transformer



3 times surge power
based on
capacity 3KW



Multi protection

Technical Specification

MODEL	PSi3000W#12VM	PSi3000W#24VM
Nominal Battery System Voltage	12VDC	24VDC
INVERTER OUTPUT		
Rated Power	3KW	
Surge Rating	9000VA	
Capable Of Starting Electric Motor	2HP	
Waveform	Pure sine wave \ same as input (bypass mode)	
Nominal Output Voltage RMS	110V \ 115V \ 120V \ 220V \ 230V \ 240VAC $\pm 10\%$ (RMS)	
Output Frequency	50Hz \ 60Hz ± 0.3 Hz	
Inverter efficiency (Peak)	>88%	
Line Mode Efficiency	>95%	
Power Factor	1.0	
Typical Transfer Time	10ms(max)	
AC INPUT		
Voltage	230VAC	
Selectable Voltage Range	96~132VAC 155~280VAC (For personal computers)	
Frequency Range	50Hz \ 60Hz (Auto sensing) 40~80Hz	
BATTERY		
Minimum Start Voltage	(10V \ 10.5V \ 11V) +0.5V for 12VDC mode (*2 for 24VDC)	
Low Battery Alarm	(10V \ 10.5V \ 11V) +0.5V for 12VDC mode (*2 for 24VDC)	
Low Battery Cutoff	10V \ 10.5V \ 11V for 12VDC mode (*2 for 24VDC)	
High Voltage Alarm	(13.8-14.5V) +1V for 12VDC mode (*2 for 24VDC)	
High Battery Voltage Recover	(13.8-14.5V) +0.5V for 12VDC mode (*2 for 24VDC)	
Idle Consumption-Search Mode	Load $\leq 50 \pm 20$ W(120V) \ 100 ± 20 W(220V)	
CHARGER		
Output Voltage	Depends on battery type	
Charge AC Input Breaker Rating (230V)	2-3K\30A	
Overcharge Protection S.D.	15.7VDC for 12VDC mode (*2 for 24VDC mode)	
Maximum Charge Current	60A	40A
Bypass & Protection		
Input Voltage Waveform	Sine wave (grid or generator)	
Nominal Input Frequency	50Hz or 60Hz	
Overload Protection (SMPS Load)	Circuit breaker	
Output Short Circuit Protection	Circuit breaker	
Bypass Breaker Rating (230V)	1-3K\30A	
Max Bypass Current	30Amp	
MECHANICAL SPECIFICATIONS		
Mounting	Wall Mount	
Dimensions (W*H*D) (mm)	426*206*178	
Net Weight (Solar CHG) (kg)	24.5	
Shipping Dimensions (W*H*D) (mm)	585*350*310	
Shipping Weight (Solar CHG) (kg)	27.5	
Other		
Operation Temperature Range	0°C to 40°C	
Storage Temperature	-15°C to 60°C	
Audible Noise	60dB MAX	
Display	LED+LCD	