

General specification

Input wave form:	Sine wave/utility or generator	230VAC
Nominal voltage:	120VAC	184V/154V±4%
Low voltage re engage:	95V ± 4%	194V/164V ± 4%
High voltage re engage:	135V ± 4%	263V ± 4%
Max input AC voltage:	127V ± 4%	253V ± 4%
Nominal input frequency:	150VAC	270VAC
High freq trip:	50Hz or 60Hz (auto detect)	
Output wave form:	47Hz for 50 Hz, 57Hz for 60Hz	
Overload protection:	55Hz for 50 Hz, 65Hz for 60Hz	
Short circuit protection:	(Bypass mode) same as input	
Transfer switch rating:	Circuit breaker	
Efficiency on line transfer mode:	30 amp or 40 amp	95%+
Bypass without battery connected:	30 amp or 40 amp	10 ms typical
Max bypass current:	30 amp or 40 amp	
Inverter Specification / Input	35 amp or 45 amp: 48arm	
Output wave form:	Pure sine wave or quasi sine wave	
Output continuous power watts:	1000 2000 3000 4000 5000 6000	
Output continuous power VA:	1000 2000 3000 4000 5000 6000	
Power factor:	0.9-1.0	
Nominal output voltage rms:	120Vac(L-N), 230Vac(L-N),	
Output voltage regulation:	4-4% (N-H) / 230Vac(H-H)	
Nominal efficiency:	50Hz ± 0.3% or 60Hz ± 0.3%	
Surge ratings:	3000 6000 9000 12000 15000 18000	
Short circuit protection:	Yes, fault after 10 secs	
Inverter specification / Input		
Nominal input voltage:	12v 24v	48v
Minimum start voltage:	10v 20v	40v
Low battery alarm:	10.5v 21v	42v
High voltage alarm:	10v 20v	40v
Power saver:	10v 32v	64v
Power saver:	Below 25 watts when enabled	
Power saver:	Same switched on/off on remote	
Charger mode specification		
Input voltage range:	95-127VAC 194-253VAC / 164-253VAC(W)	
Output voltage:	Dependent on battery type	
Charger current:	35A / 70A	
Battery initial voltage for start up:	0-5.7v for 12V(2 for 24v, *4 for 48v)	
Over charge protection shutdown:	15.7v for 12V(2 for 24v, *4 for 48v)	
Charger curves (4 stage constant current) battery types		
4 step digital controlled progressive charge		
Battery type: (*2 for 24v, *4 for 48v)		
1-6 bat. type selector for ups mode	7-9 bat. type selectors for solar inv. mode	
Position	Low Battery Trip	High Battery Trip
Fast V	1: 11V	14V
1:Gal U.S.A	8: 10.5V	13.5V
2:A.G.M.1	9: 10V	13V
3:A.G.M.2		
4:Sealed lead acid		
5:Gel european		
6:Open lead acid		
Remote control / RS232 / USB		
Size: in mm	Yes, Optional	
Weight:	1000 Model:443*222*179mm ³	
	2000/3000 Model:507*258*179mm ³	
	4000Model:540*348*196mm ³	
	5000/6000 Model:595*348*196mm ³	
	1000 2000 3000 4000 5000 6000	
	13kg 17kg 26kg 31kg 36kg 38kg	

Ordering Information

Typical part number ▶ PS WT -S -E 00

1. Base Series
PS WT = Combined Inverter & Charger

2. Waveform
S = Pure Sinewave Q = Quasi Sinewave

3. Power Rating
10 = 1000W 20 = 2000W 30 = 3000W
40 = 4000W 50 = 5000W 60 = 6000W

4. Battery Voltage
12 = 12VDC 24 = 24VDC 48 = 48VDC

5. AC Voltage
E = 230VAC

6. Suffixes
00 = Standard model 01 = Customer model

Power Star W7

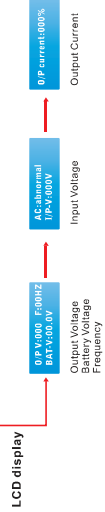
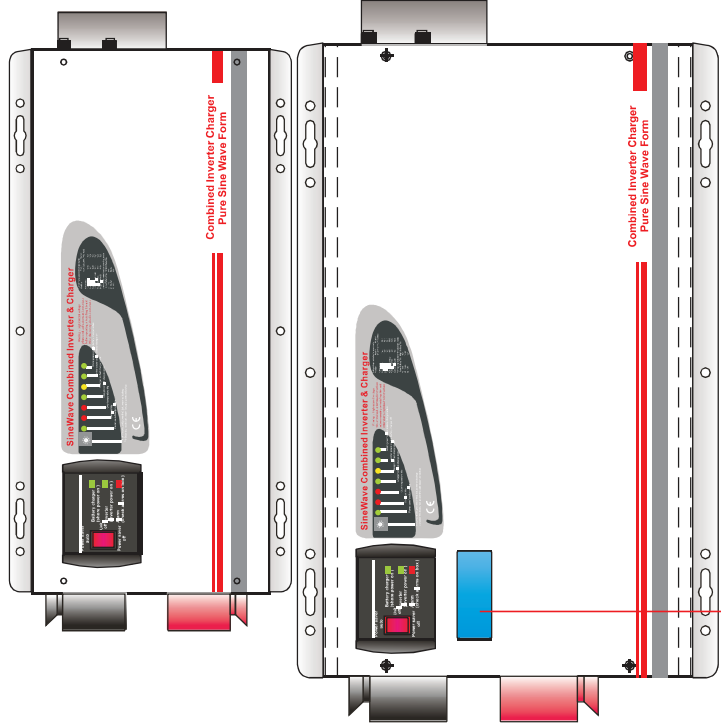
Product Information Guide

1000W 4000W
2000W 5000W
3000W 6000W

Continuous power
with P.F.C charger



SineWave Combined Inverter & Charger



Models: 1012 2012 2024 3012 3024 4024 5024 6024
1012E 2012E 2012E 3024E 4024E 5024E
6024E 4048E 5048E 6048E



Indication & fault finding chart

Status	Function	LEDs on main unit	LEDs on remote
Charge function	Constant current charge	green	green
	Constant voltage charge	yellow	yellow
	Standby	red	red
Inverter on	Power saver on	ON	ON
	Battery low voltage	ON	ON
	Battery high voltage (batteries)	ON	ON
	Over heat (inverter mode)	ON	ON
	Over temp (line mode)	ON	ON
	Over charge	ON	ON
Alarms	Fault lock	ON	ON
	Battery high v	ON	ON
	Battery low v	ON	ON
Fault mode	Inverter mode over load	ON	ON
	Over temperature	ON	ON
	Back voltage	ON	ON

Remote control installation
remove 4 screws holding this panel and disconnect the cable behind it.

