

### General specification

<b>Input Wave Form:</b>	Sine wave (Utility or Generator)					
<b>Nominal Voltage:</b>	120VAC			230VAC		
<b>Low Voltage Trip:</b>	90V±4%			184V/154V±4%		
<b>Low Voltage re engage:</b>	100V±4%			194V/164V±4%		
<b>High Voltage Trip:</b>	140V±4%			253V±4%		
<b>High Voltage re engage:</b>	135V±4%			243V±4%		
<b>Max Input AC Voltage:</b>	150VAC			270VAC		
<b>Nominal Input Frequency:</b>	50Hz or 60Hz (Auto detect)					
<b>Low freq trip:</b>	47Hz for 50Hz, 57Hz for 60Hz					
<b>High freq trip:</b>	55Hz for 50Hz, 65Hz for 60Hz					
<b>Output wave form:</b>	(Bypass mode) same as input					
<b>Overload protection:</b>	Circuit breaker					
<b>Short circuit protection:</b>	Circuit breaker					
<b>Transfer switch rating:</b>	30amp or 40amp					
<b>Efficiency on line transfer mode:</b>	95%+					
<b>Line transfer time:</b>	10ms Typical					
<b>Bypass without battery connected:</b>	Yes					
<b>Max bypass current:</b>	30amp or 40amp					
<b>Bypass over load current:</b>	35amp or 45amp: Alarm					
<b>Inverter Specification/output</b>						
<b>Output wave form:</b>	Pure sine wave					
<b>Output continuous power Watts:</b>	1000	2000	3000	4000	5000	6000
<b>Output continuous power VA:</b>	1000	2000	3000	4000	5000	6000
<b>Power factor:</b>	0.9-1.0					
<b>Nominal output voltage rms:</b>	120/230VAC					
<b>Output voltage regulation:</b>	+/- 10% RMS					
<b>Output frequency:</b>	50Hz ± 0.3Hz or 60Hz ± 0.3Hz					
<b>Nominal efficiency:</b>	>88%					
<b>Surge ratings:</b>	3000	6000	9000	1200	1500	18000
<b>Short circuit protection:</b>	Yes, fault after 10 secs					
<b>Inverter Specification/input</b>						
<b>Nominal Input voltage:</b>	12V		24V		48V	
<b>Minimum start voltage:</b>	10V		20V		40V	
<b>Low battery alarm:</b>	10.5V		21V		42V	
<b>Low battery trip:</b>	10V		20V		40V	
<b>High voltage alarm:</b>	16V		32V		64V	
<b>Power saver:</b>	Below 25 watts when enabled					
<b>Power saver:</b>	Same switched on/off on remote					
<b>Charger Mode specification</b>						
<b>Input voltage range:</b>	95-127VAC 194243VAC/164243VAC(W)					
<b>Output voltage:</b>	Dependent on battery type					
<b>Charger current:</b>	35A / 70A					
<b>Battery initial voltage for start up:</b>	10-15.7v for 12v( *2 for 24v, *4 for 48v)					
<b>Over charge protection shutdown:</b>	15.7v for 12v (*2 for 24v, *4 for 48v)					
<b>Charger curve(4 stage constant current)Battery types 4 step digital controlled progressive charge</b>						
<b>Battery type:</b>	<b>Fast V</b>	<b>Float V ( *2 for 24v, *4 for48v)</b>				
Gel U.S.A	14.0	13.7				
A.G.M 1	14.1	13.4				
A.G.M 2	14.6	13.7				
Sealed Lead Acid	14.4	13.6				
Gel Euro	14.4	13.8				
Open Lead Acid	14.8	13.3				
Calcium	15.1	13.6				
Desulphation	15.5 for 4hrs					
<b>Remote control/RS232/USB</b>	Yes. Optional					
<b>Size: in mm</b>	1000/2000/3000 Model : 442*218*179 4000/5000/6000 Model : 598*218*179					
<b>Weight:</b>	1000	2000	3000	4000	5000	6000
	20kg	20kg	26kg	48kg	48kg	48kg

### Power star LW

### Ordering Information

**Typical part number** ▶ **LW** - **1000** - **E** - **12** - **C**

- Basis series**  
Low frequency pure sine wave Inverter & Charger
- Power Rating**  
1000=1000W 2000=2000W 3000=3000W  
4000=4000W 5000=5000W 6000=6000W
- AC Voltage**  
E=110VAC NC=220VAC
- Battery Voltage**  
12=12VDC 24=24VDC 48=48VDC
- LCD Display**

### Remote control installation

Remove 4 screws holding this panel and disconnect the cable behind it

