

# OFF GRID INVERTER

## Features:

- ◆ Equipment is office and public
- ◆ Home appliances
- ◆ IT network equipment
- ◆ Manufacture control system
- ◆ Solar energy system
- ◆ Oil field and fieldwork



## Features:

### Inverter

- ◆ High overload ability
- ◆ Low battery voltage trip selectable, extracting max power from various batteries with different protections
- ◆ Low quiescent current, selectable sensing cycle to reduce power consumption

### Battery Charger

- ◆ 3-step intelligent battery charging
- ◆ 8 preset battery type selector plus de-sulphation for totally flat batteries
- ◆ Powerful charge rate up to 70Amp ,selectable charging current
- ◆ PFC(Power Factor Correction) for charger, low power consumption



[www.lantrun.com](http://www.lantrun.com)

# TECHNICAL PARAMETERS



Model	PSW7-1000	PSW7-2000	PSW7-3000	PSW7-4000	PSW7-5000	PSW7-6000
Nominal Power	1000W	2000W	3000W	4000W	5000W	6000W

### Input Data (AC)

Phase&waveform	Single phase & sinewave					
Voltage	100V/120V/220V/230V/240V					
Voltage range	194-243V\164-243V(wide mode)					
Line low transfer	85V±4%/184(154 wide mode±4%)					
Line low return	95V±4%/194(164 wide mode±4%)					
Line high transfer	135V±4%/253±4%					
Line high return	127V±4%/243±4%					
Frequency	50Hz or 60Hz(auto sensing)					
Line low transfer	47Hz for 50Hz,57Hz for 60Hz					
Line high transfer	55Hz for 50Hz,65Hz for 60Hz					

### Output Data (AC)

Phase & waveform	Single phase & sinewave(bypass mode sync to input)					
Voltage	100V/120V/220V/230V/240V(same as input on bypass mode)					
Voltage regulation	±10%rms(bypass mode sync to input)					
Frequency	50Hz or 60Hz(auto sensing)					
Crest power	3 times of ratings					
Short circuit protection	Yes,shutdown after 10 minutes					
Power factor	0.9-1.0					

### Input Data (Battery)

Battery voltage	12V/24V	12V/24V/48V	24V/48V
Minimum start voltage	10V for 12V,20V for 24V,40V for 48V		
Low battery alarm	10.5V for 12V,21V for 24V,42V for 48V		
Low battery transfer	10V for 12V,20V for 24V,40V for 48V		
High voltage alarm	16V for 12V,32V for 24V,64V for 48V		
Max charging current	20A-75A		
Over charge voltage	15.7V for 12V,31.4V for 24V,62.8V for 48V		

### Efficiency

Line mode	>95%
Battery mode	>85%
Power save	Available when the load is less than 50 Watts

### Indicators

7-LED display	From right to left,LED1 line mode(green lighting)LED2 inverter mode
	LED2 inverter mode(green lighting)、LED3 over heat shutdown(red lighting)
	LED4 Overloaded(green lighting)、LED5 over heat shutdown(red lighting)
	LED6 Overloadedshutdown (red lighting)、LED7 Saving Mode(green lighting)
3-LED display	Charging Mode(green lighting)、Inverter mode(green lighting)、Alarm(red lighting)
LED display	Input Voltage、Output Voltage、Frequency、Battery Voltage、Load
Switch selector	Saving Mode is on/off when push the switch forwards/backwards,keeping it horizontal is turning the inverter off
Audible alarm	Sounding when the heatsink's tem is over 105°C and shutdown after 30 seconds.
Protections	Low battery、over charging、over temp、over load
Communications	RJ11/RS232(Optional)

### Environmental

Operating environment	0-40°C,0-95%RH(non-condensing)					
Audible noise	<60dB					
Net weight(kg)	14kg	19kg	23kg	35kg	44kg	44kg
Dimension,D/W/H	218x179x442mm			218x179x598mm		