

## 600W Pure Sine Wave Inverter DC-AC Power Inverter

PSE-600P Series



- Pure sine wave output (THD<4%).
- Continuous power:600W.
- Max constant power start:360W continue 10s.
- High efficiency up to 91%.
- Power ON-OFF switch.
- Front panel indicator for operation status.
- Load and Thermostatically controlled cooling fan.
- Protections: Bat. low alarm / Bat. low shutdown / Over voltage / Over temp/ Output short / Input polarity reverse / Overload.
- Application : Home appliance, power tools, office and portable equipment, vehicle and yacht ..etc.
- Optional Remote control jack.
- Optional USB port.
- One years warranty.

SPECIFICATION				
MODEL		PSE-300P-212	PSE-300P-224	PSE-300P-248
OUTPUT	RATED POWER(Typ.)	600W	600W	600W
	MAX OUTPUT POWER	360W for for 10 sec		
	AC VOLTAGE	220 - 230 VAC		
	FREQUENCY	50±0.2Hz,50/60Hz optional		
	WAVEFORM	Pure sine wave (THD<4%) at rated input voltage		
	AC REGULATION (Typ.)	±10%		
FRONT PANEL INDICATOR		Output load level, fault and operation status		
INPUT	BAT. VOLTAGE	12V	24V	48V
	VOLTAGE RANGE (Typ.)	10 ~ 15VDC	20 ~ 30VDC	40~ 60VDC
	DC CURRENT (Typ.)	20A	15A	7.5A
	NO LOAD DISSIPATION	≤0.32A	≤0.25A	≤0.12A
	EFFICIENCY (Typ.) Note.1	89%	90%	91%
BATTERY TYPES		Open & sealed Lead Acid		
BATTERY INPUT PROTECTION	FUSE	35A*1	20A*1	10A*1
	BAT. LOW ALARM	10.5±0.5V	21±1V	42±2V
	BAT. LOW SHUTDOWN	10±0.5V	20±1V	40±2V
	BAT.OVER SHUTDOWN	15±0.5V	30±1V	60±2V
	BAT. POLARITY	By external/internal fuse open		
OUTPUT PROTECTION	OVER TEMPERATURE	≥45°C or ≥60% rated power, cooling fan open;≥70°C,Shut off. Protection type : Shut down o/p voltage, re-power on to recover; by internal Thermistor detect on heatsink of power transistor		
	OUTPUT SHORT	Protection type : Shut down o/p voltage, re-power on to recover		
	OVER LOAD (Typ.)	120% rated load for 10 sec. Protection type : Shut down o/p voltage, re-power on to recover		
ENVIRONMENT	WORKING TEMP.	0 ~ +40°C @ 100% load ; 60°C@ 50% load		
	WORKING HUMIDITY	20% ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-30°C~ +70°C/ -22 ~ +158 °C, 10 ~ 95% RH		
CERTIFICATES	CE,LVD, RoHS			
OTHERS	Remote control jack(Optional)	Wire control switch		
	USB(Optional)	5V,500mA		
	DIMENSION	130*150*70mm (L*W*H)		
	PACKING	54*42*30mm ;12PCS/CTN;15.5KGS		
	COOLING	Loading and Thermostatically controlled cooling fan		
NOTE	1. Efficiency is tested by 300W, linear load at 13V, 26V, 52V input voltage. 2. All parameters not specified above are measured at rated load, 25 of ambient temperature.			

Remark: Datasheet subject to change without notice .