

PS Series Pure Sinewave Inverter

FEATURES

- Pure sinewave AC output
- High surge power output
- High efficiency
- Protected against high/low battery voltage, low AC input voltage, over temperature, overload, short circuit etc.
- Variable fan speed for silent operation
- Remote on/off possibility with URC or BRC
- 2 year warranty



1400 WATTS

TECHNICAL SPECIFICATIONS

Model	PS 1800-48	
Inverter		
Output Power ¹⁾	Pnom	1400 W
	P10minutes	1800 W
	Psurge 3 sec	3000 W
Output voltage	230Vac ± 2%	
Output frequency	50Hz ± 0.05%	
Output waveform	True sinewave (THD <5% @ Pnom)	
Admissible cos φ of load	0.2 - 1 (up to Pnom)	
Input volgage:	Nominal	48Vdc
	Range	41 ²⁾ - 60Vdc
Maximum efficiency	96%	
No load power consumption ³⁾	<12W	
[ASB]	[4.7]	
ASB threshold	Variable (default: On @ Pout<10W / Off @ Pout>20 W)	
Operating temperature rang (ambient)	-20°C ... +50°C (humidity max 95% non condensing)	
Storage temperature range	-40°C ... +80°C (humidity max 95% non condensing)	
Cooling	Variable speed fan controlled by temperature and load	
SamlexLink enabled	Yes	
Protected against	Short circuit, overload, high temperature, AC back feed, high/low battery voltage and high input ripple voltage	
Indications	Power on, output power bar, error and ASB mode	
DC input connections	2 x 1.5 mtr 25 mm ² cable	
AC output connections	Schuko outlet	
Enclosure body size (LxHxW)	351 x 210 x 114 mm	
Total weight	10,5 kg	
Protection class	IP21 (mounted in upright position)	
Standards	EN61000-6-3 (EN55022), EN61000-6-2 (EN61000-2/3/4, EN61000-4-3), LVD 73/23/EEC (EN60335-1)	

Note: the given specifications are subject to change without notice.

- 1) Measured with resistive load at 25°C ambient. Power ratings are subject to a tolerance of 10% and are decreasing as temperature rises with a rate of approx. 1.2%/°C starting from 25°C
 2) Undervoltage limit is dynamic. This limit decreases with increasing load to compensate the voltage drop across cables and connections.
 3) Measured at nominal input voltage and 25°C