

## 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
- 2 year warranty



**300 WATTS**

### TECHNICAL SPECIFICATIONS

Model	PS 450-48	
<b>Inverter</b>		
Output Power <sup>1)</sup>	Pnom	300 W
	P10minutes	450 W
	Psurge 3 sec	800 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 <sup>2)</sup> - 60Vdc
Maximum efficiency	95%	
No load power consumption <sup>3)</sup>	<6.5W	
[ASB]	[1.3W]	
ASB threshold	Pout 15W	
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	
Protected against	Short circuit, overload, high temperature, high/low battery voltage	
Indications	Power on, error and ASB mode	
DC input connections	2 x 1.5 mtr 4 mm <sup>2</sup> cable	
AC output connections	Schuko outlet (standard)	
Enclosure body size (LxHxW)	184 x 98 x 130 mm	
Total weight	3,5 kg	
Protection class	IP20 (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