

# Sine Wave DC-AC Power Inverters



## PSIT1000 Series 1000 Watt

[www.powersolve.co.uk](http://www.powersolve.co.uk)

### Features

- Solid State design
- Compact and lightweight
- High efficiency up to 85%
- Thermal protection
- On/Off switch
- 12VDC or 24VDC inputs
- 230Vac Sine Wave output (115Vac optional)



### Electrical Specification

Input Voltage	See table
Output Voltage	230Vac $\pm$ 5% (115Vac optional)
Output Waveform	True Sine Wave
Output Frequency	50Hz (60Hz for 115Vac output)
Efficiency	Up to 85%
Low Battery Alarm	10.5VDC $\pm$ 0.5VDC (12V Input) 21VDC $\pm$ 0.5VDC (24V Input)
Low Battery Shutdown	10VDC $\pm$ 0.5VDC (12V Input) 20VDC $\pm$ 0.5VDC (24V Input)
High Battery Shutdown	15VDC $\pm$ 0.5VDC (12V Input) 32VDC $\pm$ 0.5VDC (24V Input)
Thermal Protection	60°C $\pm$ 10°C
Overload Protection	By thermal shutdown
Short Circuit Protection	Electronic
Input Polarity Protection	Via input fuse
Dimensions	390 x 223 x 103mm
Weight	5.2Kgs
Input Connector	Flying leads with ring terminals
Output Socket	Stock items UK or Euro 3 pin (/EU)
Cooling	Integral fan
Safety	CE and E marks

### Input Voltage and Current Ratings

MODEL	DC INPUT	INPUT FUSE	STANDBY CURRENT	OUTPUT POWER
PSIT1000/12	10-16V	4 x 35A	1.3A typical	1000W
PSIT1000/24	20-32V	4 x 20A	0.7A typical	1000W

#### NOTE:

For European output socket add /EU to model number. Example PSIT1000/12/EU  
For 115Vac output option consult sales office