

# DC-AC Inverters

**POWER  
SOLVE**

## PSI100/PSI150 Series 100/150 Watt

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

### Features

- Solid State design
- Compact and lightweight
- High efficiency up to 90%
- Thermal protection
- On/Off switch
- 12VDC or 24VDC inputs
- 230Vac output (115Vac optional)



### Electrical Specification

Input Voltage	See table
Output Voltage	230Vac $\pm$ 5% (115Vac optional)
Output Waveform	Quasi Sine Wave
Output Frequency	50Hz (60Hz for 115Vac output)
Efficiency	Up to 90%
Low Battery Alarm	11VDC $\pm$ 0.5VDC (12V Input) 22VDC $\pm$ 0.5VDC (24V Input)
Low Battery Shutdown	10.5VDC $\pm$ 0.5VDC (12V Input) 21VDC $\pm$ 0.5VDC (24V Input)
Thermal Protection	60°C $\pm$ 10°C
Overload Protection	By thermal shutdown
Short Circuit Protection	Via input fuse
Input Polarity Protection	Via input fuse
Dimensions	143 x 73 x 72mm
Weight	800g
Input Connector	Fused automotive cigar plug
Output Socket	Stock items UK or Euro 3 pin (/EU)
Cooling	Convection cooled
Safety	CE and E marks

### Input Voltage and Current Ratings

MODEL	DC INPUT	INPUT FUSE	STANDBY CURRENT	OUTPUT POWER (continuous)	OUTPUT POWER (peak)
PSI100/12	10.5-15V	15A	0.30A typical	100W	200W
PSI100/24	21.5-30V	10A	0.25A typical	100W	200W
PSI150/12	10.5-15V	15A	0.30A typical	150W	300W
PSI150/24	21.5-30V	10A	0.25A typical	150W	300W

**NOTE:**

For European output socket add/EU to model number. Example PSI150/12/EU

For 115Vac output option consult sales office