

DC-AC Inverters



www.powersolve.co.uk

PSI100/PSI150 Series 100/150 Watts

Features

- Solid State Design
- Compact and Light Weight
- High Efficiency up to 90%
- Thermal Protection
- On/Off Switch
- 12V, 24V or 48V Input
- 230 VAC Output (115 VAC Optional)



Electrical Specification

Input	See table
Output	230 VAC, 115 VAC Optional
Output Waveform	Quasi Sine Wave
Output Frequency	50Hz, 60Hz for 115V Versions
Efficiency	Up to 90%
Low Battery Alarm	11 VDC ± 0.5 VDC 12V Input 22 VDC ± 0.5 VDC 24V Input 44 VDC ± 0.5 VDC 48V Input
Low Battery Shutdown	10.5 VDC ± 0.5 VDC 12V Input 21 VDC ± 0.5 VDC 24V Input 42 VDC ± 0.5 VDC 48V Input
Thermal Protection	60 $\pm 10^{\circ}\text{C}$
Overload Protection	By thermal shutdown
Short Circuit Protection	Via input fuse
Input Polarity Protection	Via input fuse
Dimensions	145 x 70 x 70mm
Weight	600 gms
Input Connector	Fused automotive cigar plug
Output Socket	Stock items UK or Euro 3 Pin (/EU)
Cooling	Convection cooled
Safety	CE and E mark

MODEL	DC INPUT	INPUT FUSE	STANDBY CURRENT	OUTPUT POWER (continuous)	OUTPUT POWER (Peak)
PSI100/12	10.5-15 VDC	15A	0.3A Typical	100 Watts	200 Watts
PSI100/24	21.5-30 VDC	10A	0.2A Typical	100 Watts	200 Watts
PSI100/48	42.5-58 VDC	5A	0.2A Typical	100 Watts	200 Watts
PSI150/12	10.5-15 VDC	15A	0.3A Typical	150 Watts	300 Watts
PSI150/24	21.5-30 VDC	10A	0.2A Typical	150 Watts	300 Watts
PSI150/48	42.5-58 VDC	5A	0.2A Typical	150 Watts	300 Watts

NOTE:

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

For 115 VAC output option consult sales office.