

# DC-AC Inverters

**POWER  
SOLVE**

## WHS150 Series 150 Watts

[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 $\pm 0.5$ VDC (12V Input)<br>22VDC $\pm 0.5$ VDC (24V Input)   |
| Low Battery Shutdown      | 10.5VDC $\pm 0.5$ VDC (12V Input)<br>21VDC $\pm 0.5$ VDC (24V Input) |
| Thermal Protection        | 60°C $\pm 10^\circ$ C                                                |
| Overload Protection       | By thermal shutdown                                                  |
| Short Circuit Protection  | Via input fuse                                                       |
| Input Polarity Protection | Via input fuse                                                       |
| Dimensions                | 192 x 96 x 65mm                                                      |
| Weight                    | 834g                                                                 |
| Input Connector           | Fused automotive cigar plug                                          |
| Output Socket             | Stock items UK or Euro 3 pin (/EU)                                   |
| Cooling                   | Convection cooled                                                    |
| Safety                    | CE marks                                                             |

### Input Voltage and Current Ratings

| MODEL        | DC INPUT | INPUT FUSE | STANDBY CURRENT | OUTPUT POWER<br>(continuous) | OUTPUT POWER<br>(peak) |
|--------------|----------|------------|-----------------|------------------------------|------------------------|
| WHS150/12    | 10.5-15V | 20A        | 0.30A typical   | 150W                         | 375W                   |
| WHS150/24    | 21.5-30V | 10A        | 0.25A typical   | 150W                         | 375W                   |
| WHS150/12/EU | 10.5-15V | 20A        | 0.30A typical   | 150W                         | 375W                   |
| WHS150/24/EU | 21.5-30V | 10A        | 0.25A typical   | 150W                         | 375W                   |

**NOTE:**

For European output socket add/EU to model number. Example WHS150/12/EU

For 115Vac output option consult sales office