

# DC-AC INVERTERS

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

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

## PS Series Pure Sine Wave 1000 to 5000 VA

### Features:

- 12V, 24V or 48V DC Inputs
- High Surge Rating
- 50/60 Hz Pure Sine Wave Output
- AC output of 220/230VAC
- Low Stand-By Current



| Universal  | Australia / New Zealand  |
|--|--|
|   |   |
| United Kingdom   | European   |
|  |  |

The PS Series are a low cost range of pure sine wave output DC-AC inverters available with inputs of either 12V, 24V or 48VDC. They feature high efficiency, low stand-by current and digital displays showing output voltage and current. They are available with universal output AC socket or country specific versions. These must be specified when ordered and also the output voltage and frequency. 4000VA and 5000VA have output screw terminals.

| Model                    | PS1000   | PS1200                              | PS1500                              | PS2000  | PS2500                              | PS3000                         | PS4000                 | PS5000                 |
|--------------------------|--|-------------------------------------|-------------------------------------|---|-------------------------------------|--------------------------------|------------------------|------------------------|
| Rating                   | 1000VA   | 1200VA                              | 1500VA                              | 2000VA  | 2500VA                              | 3000VA                         | 4000VA                 | 5000VA                 |
| DC Input Voltage         | 12V (9.6-15V), 24V (19.2-30V), 48V (38.4-60V)                                      |                                     |                                     |   |                                     | 24V (19.2-30V), 48V (38.4-60V) |                        |                        |
| No Load Current          | 12V 0.83A<br>24V 0.45A<br>48V 0.28A  | 12V 0.83A<br>24V 0.45A<br>48V 0.28A | 12V 0.83A<br>24V 0.45A<br>48V 0.28A | 12V 0.84A<br>24V 0.54A<br>48V 0.33A                     | 12V 0.90A<br>24V 0.55A<br>48V 0.33A | 24V 0.55A<br>48V 0.33A         | 24V 0.70A<br>48V 0.43A | 24V 0.72A<br>48V 0.44A |
| Efficiency               | 90%  |                                     |                                     |   |                                     |                                |                        |                        |
| Input Connector          | Red & Black DC Input Terminals   |                                     |                                     |   |                                     |                                |                        |                        |
| AC Output Voltage        | 220VAC or 230VAC to order  |                                     |                                     |   |                                     |                                |                        |                        |
| VA Rating                | 1000VA   | 1200VA                              | 1500VA                              | 2000VA  | 2500VA                              | 3000VA                         | 4000VA                 | 5000VA                 |
| Continuous Power         | 800W   | 1000W                               | 1200W                               | 1660W   | 2000W                               | 2400VA                         | 3320VA                 | 4000W                  |
| Surge Power (max 300mS)  | 2000W  | 2400W                               | 3000W                               | 4000W   | 5000W                               | 6000W                          | 8000W                  | 10,000W                |
| Output Waveform          | Pure Sine Wave   |                                     |                                     |   |                                     |                                |                        |                        |
| Output Frequency         | 50/60Hz to order   |                                     |                                     |   |                                     |                                |                        |                        |
| Output Connectors        | UK, Euro, Universal or other to order  |                                     |                                     |   |                                     |                                | Terminal Block         |                        |
| Input Under Voltage      | 12V (10V±0.5V), 24V (20V±0.5V), 48V (40V±0.5V)                                     |                                     |                                     |   |                                     | 24V (20V±0.5V), 48V (40V±0.5V) |                        |                        |
| Input Over Voltage       | 12V (15.5V±0.5V), 24V (31V±0.5V), 48V (62V±0.5V)                                   |                                     |                                     |   |                                     | 24V (31V±0.5V), 48V (62V±0.5V) |                        |                        |
| Overload Protection      | Auto Shutdown  |                                     |                                     |   |                                     |                                |                        |                        |
| DC Reverse Polarity      | Fuse   |                                     |                                     |   |                                     |                                |                        |                        |
| Short Circuit Protection | Auto Shutdown  |                                     |                                     |   |                                     |                                |                        |                        |
| Thermal Protection       | Auto Shutdown  |                                     |                                     |   |                                     |                                |                        |                        |
| Cooling                  | Integral Fan(s)  |                                     |                                     |   |                                     |                                |                        |                        |
| LED Indication           | Blue LED device operating, Red LED fault or protection mode                        |                                     |                                     |   |                                     |                                |                        |                        |
| LCD Display              | 1 x LCD for input and output voltages  |                                     |                                     | 1 x LCD for DC input and 1 x LCD for AC output voltages |                                     |                                |                        |                        |
| Audible Alarm            | For DC input under or over voltage, over load, over temperature or fault condition |                                     |                                     |   |                                     |                                |                        |                        |
| Remote Control           | Optional   |                                     |                                     |   |                                     |                                |                        |                        |
| Enclosure                | Anodized aluminium   |                                     |                                     |   |                                     |                                |                        |                        |
| Dimensions               | 301 x 150 x 90mm   |                                     |                                     | 390 x 180 x 140mm                                       |                                     |                                | 390 x 180 x 140mm      |                        |
| Weight                   | 2.42 kilos   | 2.42 kilos                          | 2.78 kilos                          | 4.84 kilos  | 4.90 kilos                          | 4.90 kilos                     | 6.10 kilos             | 7.58 kilos             |