



The 600W-800W professional DC to AC true sinewave inverters, offer superior performance for a wide range of applications. Unlike many other inverters, the very clean and interference free output of a Powersine inverter ensures correct operation of sensitive equipment like displays, test equipment and battery chargers.

The very robust electronic and mechanical design, make the Powersine inverter series the best choice for reliability. Designed for an extremely long lifespan and protected against short circuits, overloading and high temperatures, a Powersine inverter will deliver trouble free operation for many years.

The newest available technology results in extremely efficient operation with very low 'no-load' consumption. The Automatic Standby Function (ASB), standard in all Powersine inverters, will even reduce the no-load consumption by an extra 70%!

All Powersine inverters are easy to install and operate. Each Powersine inverter comes standard with DC cables and a very clear installation and operating instruction manual.

| Features:   | Applications  | Designed to power your...   |
|---|---|---|
| <ul style="list-style-type: none"><li>• True sinewave AC output</li><li>• Robust design</li><li>• High surge power output</li><li>• Very efficient</li><li>• Protected against low battery voltage, high temperature overload and short circuit</li><li>• Automatic Standby function to reduce no-load power consumption</li><li>• Variable speed fan for silent operation</li><li>• Remote on/Off capability</li><li>• 1.5 meters DC connection included</li><li>• 24 month warranty</li></ul> | <ul style="list-style-type: none"><li>• Recreational vehicles</li><li>• Marine Applications</li><li>• Solar Power Systems</li><li>• Industrial Systems</li><li>• Mobile Entertainment systems</li><li>• Service vehicles</li><li>• Remote homes</li></ul> | <ul style="list-style-type: none"><li>• TV</li><li>• Desktop/Notebook computer</li><li>• Battery charger</li><li>• Portable work light</li><li>• Test &amp; measurement equipment</li><li>• DVD/Blue-ray player</li><li>• Smart phone charger</li><li>• Thermal printer</li><li>• Small kitchen appliance</li><li>• Electric tool</li></ul> |

| PN  | 30-1010   | 30-1012                 | 30-1032                 |
|---|---|-------------------------|-------------------------|
| Specifications                                  | 600w - 12v  | 800w - 24v              | 800w- 48v               |
| <b>Output Power<sup>1</sup></b>                 |   |                         |                         |
| Pnom  | 500W  | 600W                    | 600W                    |
| P10minutes                                      | 600w  | 800W                    | 800W                    |
| Psurge  | 1000W   | 1200W                   | 1250W                   |
| Output voltage                                  | 230Vac ± 2% (115Vac ± 2% optional)  |                         |                         |
| Output frequency                                | 50Hz ± 0.05% (60Hz ± 0.05% optional)  |                         |                         |
| Output waveform                                 | True sinewave (THD < 5% @ Pnom)   |                         |                         |
| Admissible cos φ of load                        | 0.2 – 1 (up to Pnom)  |                         |                         |
| <b>Input voltage (±3% tolerance) :</b>          |   |                         |                         |
| Nominal   | 12V   | 24V                     | 48V                     |
| Range   | 10.5 <sup>2</sup> - 16Vdc   | 21 <sup>2</sup> - 31Vdc | 41 <sup>2</sup> - 60Vdc |
| Maximum efficiency                              | 92%   | 93%                     | 94%                     |
| No load power consumption <sup>3</sup><br>[ASB] | <4.8w<br>[0.4]  | <6.5W<br>[0.7]          | <8.2W<br>[0.5]          |
| ASB threshold                                   | Pout=15W  |                         |                         |
| Operating temperature range (ambient)           | -20°C ... +50°C (humidity max. 95% non condensing)  |                         |                         |
| Storage temperature range                       | -40°C ... +80°C (humidity max. 95% non condensing)  |                         |                         |
| cooling   | Variable speed fan controlled by temperature and load   |                         |                         |
| TBSLink enabled                                 | No  |                         |                         |
| Protected against                               | Short circuit, overload, high temperature, low battery voltage  |                         |                         |
| Indications                                     | Power on, error and ASB mode  |                         |                         |
| DC input connections                            | Two wires, length 1.5 meters, 10mm <sup>2</sup>   |                         |                         |
| Enclosure body size                             | 228 x 113 x 163mm (without mounting brackets)   |                         |                         |
| Total weight                                    | 6.2 kg  |                         |                         |
| Protection class                                | IP20  |                         |                         |
| Standards                                       | CE marked meeting EMC directive 2004/108/EC and LVD 2006/95/EC complying with EN60335-1, e4-95/54/EC, RoHS 2002/95/EC |                         |                         |

1) Measured with resistive load at 25°C ambient. Power ratings are subject to a tolerance of 4% and are decreasing as temperature rises with a rate of approx. 1.2%/°C starting from 25°C 2) Undervoltage limit is dynamic. This limit decreases with increasing load to compensate the voltage drop across cables and connections 3) Measured at nominal input voltage and 25°C

**MOUNTING SCREW SPACING LENGTH (hold diameter = 5.5mm)**

