



## DC-AC Inverter Pure Sine Wave

|       |                |
|-------|----------------|
| Model | PST-15S-12E    |
|       | 12 VDC-230 VAC |
|       | PST-15S-24E    |
|       | 24 VDC-230 VAC |

### Design Features

- 50 / 60 Hz (Switch selectable: 50 Hz default)
- High efficiency
- Low battery voltage alarm
- LED indicators for power and protections
- Protections: input low voltage, input over voltage, over temperature, over load, short circuit
- Low idle power draw
- Comes with 12V plug for DC input

|             | MODEL NO.                             | PST-15S-12E   | PST-15S-24E                         |
|-------------|---------------------------------------|---|-------------------------------------|
| OUTPUT      | POWER, CONTINUOUS (At Power Factor=1) | 150 Watts   | 150 Watts                           |
|             | POWER, SURGE                          | 300 Watts (300 ms)  | 300 Watts (300 ms)                  |
|             | OUTPUT VOLTAGE                        | 230 VAC +/- 3%  | 230 VAC +/- 3%                      |
|             | OUTPUT FREQUENCY                      | 50 / 60 Hz ± 1% : Switch Selectable (Default 50 Hz)   |                                     |
|             | OUTPUT VOLTAGE WAVEFORM               | Pure Sine Wave  | Pure Sine Wave                      |
|             | TOTAL HARMONIC DISTORTION             | < 3%  | < 3%                                |
| INPUT       | INPUT VOLTAGE                         | 10.5 to 16.5 VDC  | 21 to 33 VDC                        |
|             | MAXIMUM INPUT CURRENT                 | 20A   | 10A                                 |
|             | INPUT CURRENT AT NO LOAD              | < 600 mA  | < 400 mA                            |
|             | LOW INPUT VOLTAGE WARNING ALARM       | 10.5V ± 0.1V  | 21.0V ± 0.2V                        |
|             | LOW INPUT VOLTAGE SHUT-DOWN           | 10V ± 0.1V ; Auto-reset: 11.5V ± 0.3V   | 20V ± 0.2V ; Auto-reset: 23V ± 0.5V |
|             | HIGH INPUT VOLTAGE SHUT-DOWN          | 16.5V ; Auto-reset: < 16.5V   | 16.5V ; Auto-reset: < 16.5V         |
|             | OPERATING TEMPERATURE RANGE           | 0°C to 40°C / 32°F to 104°F   |                                     |
|             | PEAK EFFICIENCY                       | > 88% (At full load)  |                                     |
|             | COOLING                               | Temperature controlled fan. Fan ON at 55°C ± 3°C; Fan OFF at 45°C ± 3°C (sensed at internal hot spot)   |                                     |
| CONNECTIONS | INPUT                                 | 12V Plug  | 12V Plug                            |
|             | OUTPUT                                | European "Schuko", CEE 7/3 AC Receptacle  |                                     |
|             | INTERNAL DC SIDE INPUT FUSE           | 20A (Type ATC, 32V)   | 10A (Type ATC, 32V)                 |
| GENERAL     | DIMENSIONS, MM (W x D x H)            | 155.0 x 250.0 x 65.5  | 155.0 x 250.0 x 65.5                |
|             | DIMENSIONS, INCHES (W x D x H)        | 6.1 x 9.8 x 2.6   | 6.1 x 9.8 x 2.6                     |
|             | WEIGHT, KG                            | 1.28  | 1.28                                |
|             | WEIGHT, LB                            | 2.8   | 2.8                                 |
| COMPLIANCE  | EUROPEAN CONFORMITY                   | CE marked   |                                     |
|             | SAFETY                                | European Low Voltage Directive 2014/35/EU<br>• Standard : EN 60950-1  |                                     |
|             | EMC                                   | European EMC Directive 2014/30/EU per following Standards:<br>• EMI: EN55022, Class B ; EN61000-3-2, -3-3<br>• EMS: EN55024; EN61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11 |                                     |
|             | RoHS2                                 | European Directive 2011/65/EU   |                                     |

NOTE: Specifications are subject to change without notice