



samlexamerica®

# 600W



### DC-AC Inverter Pure Sine Wave

|                  |
|------------------|
| Model            |
| PST-60S-12E      |
| 12 VDC - 230 VAC |
| PST-60S-24E      |
| 24 VDC - 230 VAC |

### Design Features

- 50 / 60 Hz (Switch selectable: 50 Hz default)
- High efficiency
- Low battery voltage alarm
- Protections: input low voltage, input over voltage, over temperature, over load, short circuit
- Low idle power draw
- Optional remote control (sold separately): Model RC-15
- Comes with pin-type battery cable lugs

|             | MODEL NO.                               | PST-60S-12E   | PST-60S-24E                                |
|-------------|---|---|--|
| OUTPUT      | POWER, CONTINUOUS (At Power Factor = 1) | 600 Watts   | 600 Watts                                  |
|             | POWER, SURGE                            | 1000 Watts (< 8 ms)   | 1000 Watts (< 8 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                           | 10.7 to 16.5 VDC  | 21.4 to 33 VDC                             |
|             | MAXIMUM INPUT CURRENT                   | 80A   | 40A  |
|             | INPUT CURRENT AT NO LOAD                | < 0.8A  | < 0.6A                                     |
|             | LOW INPUT VOLTAGE WARNING ALARM         | 10.7V ± 0.1V  | 21.4V ± 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   | 33V ; Auto-reset: < 33V                    |
|             | OPERATING AMBIENT TEMPERATURE           | Operating temperature -20 to 40°C / -4 to 104°F<br>Storage temperature -30 to 70°C / -22 to 158°F<br>90% relative humidity non-condensing                                     |  |
|             | PEAK EFFICIENCY                         | > 85% (At full load)  | > 85% (At full load)                       |
|             | COOLING                                 | Temperature controlled fan. Fan ON at 55°C ± 3°C;<br>Fan OFF at 45°C ± 3°C (sensed at internal hot spot)  |  |
|             | DC INSTALLATION KIT (OPTIONAL)          | DC-1000-KIT   | DC-1000-KIT                                |
| CONNECTIONS | INPUT                                   | Terminals with cylindrical hole: Diameter 11 mm ; M8 set screw  |  |
|             | OUTPUT                                  | European "Schuko", CEE 7/3 AC Receptacle  |  |
|             | INTERNAL DC SIDE INPUT FUSE             | 2 X 40A = 80A<br>(Each Type ATC, 32V, 40A)  | 2 x 20A = 40A<br>(Each Type ATC, 32V, 20A) |
|             | REMOTE                                  | RC-15 (optional)  | RC-15 (optional)                           |
| 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   |  |
| GENERAL     | DIMENSIONS, MM (W x D x H)              | 240.6 x 281.0 x 82.0  | 240.6 x 281.0 x 82.0                       |
|             | DIMENSIONS, INCHES (W x D x H)          | 9.5 x 11.1 x 3.2  | 9.5 x 11.1 x 3.2                           |
|             | WEIGHT, KG                              | 2.5   | 2.5  |
|             | WEIGHT, LB                              | 5.4   | 5.4  |

NOTE: Specifications are subject to change without notice