



**samlexamerica®**

**600W**



## DC-AC Inverter Pure Sine Wave

Model  
PST-600-12  
12 VDC - 120 VAC  
PST-600-24  
24 VDC - 120 VAC

### Design Features

- High efficiency
- Temperature controlled cooling fan – reduces energy consumption
- Low interference
- Wide operating DC input range:  
10.7 - 16.5 VDC / 21.4 - 33.0 VDC
- Commercial grade design suitable for heavy duty loads, long periods of continuous operation & for emergency back up
- UPC – Universal Protection Circuit: low voltage, over voltage, over temperature, over load and short circuit.
- Low idle power draw
- Dual GFCI protected AC outlets
- Optional remote control (sold separately): Model RC-15A
- Comes with pin-type battery cable lugs
- Safety certified to UL standards, FCC compliant

**2 YEAR WARRANTY**



| MODEL NO.   |                                                    | PST-600-12                                               | PST-600-24                        |
|-------------|----------------------------------------------------|----------------------------------------------------------|-----------------------------------|
| OUTPUT      | OUTPUT VOLTAGE                                     | 120 VAC $\pm$ 3%                                         | 120 VAC $\pm$ 3%                  |
|             | MAXIMUM OUTPUT CURRENT                             | 5.1A                                                     | 5.1A                              |
|             | OUTPUT FREQUENCY                                   | 60 Hz $\pm$ 1%                                           | 60 Hz $\pm$ 1%                    |
|             | TYPE OF OUTPUT WAVEFORM                            | Pure Sine Wave                                           | Pure Sine Wave                    |
|             | TOTAL HARMONIC DISTORTION OF OUTPUT WAVEFORM       | < 3%                                                     | < 3%                              |
|             | CONTINUOUS OUTPUT POWER (At Power Factor = 1)      | 600 Watts                                                | 600 Watts                         |
|             | SURGE OUTPUT POWER (At Power Factor = 1; < 2 secs) | 1000 Watts                                               | 1000 Watts                        |
|             | PEAK EFFICIENCY                                    | 85%                                                      | 85%                               |
| INPUT       | AC OUTPUT CONNECTIONS                              | NEMA5-20R GFCI Duplex Outlets                            | NEMA5-20R GFCI Duplex Outlets     |
|             | NOMINAL DC INPUT VOLTAGE                           | 12V                                                      | 24V                               |
|             | DC INPUT VOLTAGE RANGE                             | 10.7 - 16.5 VDC                                          | 21.4 - 33 VDC                     |
|             | MAXIMUM INPUT CURRENT                              | 80A                                                      | 40A                               |
|             | DC INPUT CURRENT AT NO LOAD                        | < 600 mA                                                 | < 450 mA                          |
| DISPLAY     | DC INPUT CONNECTIONS                               | Tubular Type Screw Down Terminals                        | Tubular Type Screw Down Terminals |
|             | LED                                                | Power, Overload, Over Temperature                        | Power, Overload, Over Temperature |
| PROTECTIONS | LOW DC INPUT VOLTAGE ALARM                         | 10.7V                                                    | 21.4V                             |
|             | LOW DC INPUT VOLTAGE SHUTDOWN                      | 10V                                                      | 20V                               |
|             | HIGH DC INPUT VOLTAGE SHUTDOWN                     | 16.5V                                                    | 33V                               |
|             | SHORT CIRCUIT SHUTDOWN                             | Yes                                                      | Yes                               |
|             | OVERLOAD SHUTDOWN                                  | Yes                                                      | Yes                               |
|             | GROUND FAULT SHUTDOWN                              | Yes                                                      | Yes                               |
|             | OVER TEMPERATURE SHUTDOWN                          | Yes                                                      | Yes                               |
|             | REVERSE POLARITY ON DC INPUT SIDE                  | Yes                                                      | Yes                               |
| REMOTE      | WIRED REMOTE CONTROL (OPTIONAL)                    | RC-15A (sold separately)                                 |                                   |
| COOLING     | FORCED AIR COOLING                                 | Temperature Controlled Fan                               | Temperature Controlled Fan        |
| COMPLIANCE  | SAFETY                                             | Intertek - ETL Listed. Conforms to ANSI/UL Standard 458. |                                   |
|             | EMI / EMC                                          | FCC Part 15(B), Class B                                  |                                   |
| ENVIRONMENT | OPERATING TEMPERATURE RANGE                        | 0°C to 40°C / 32°F to 107°F                              | 0°C to 40°C / 32°F to 107°F       |
| DIMENSIONS  | (L X W X H), MM                                    | 276.2 x 240.6 x 82                                       | 276.2 x 240.6 x 82                |
|             | (L X W X H), INCHES                                | 10.87 x 9.47 x 3.23                                      | 10.87 x 9.47 x 3.23               |
| WEIGHT      | KG                                                 | 2.7                                                      | 2.7                               |
|             | LBS                                                | 5.9                                                      | 5.9                               |

NOTE: Specifications are subject to change without notice

12001-PST-600-12-24-0613