

PSC Series Pure Sinewave Inverter/Charger

FEATURES

- Pure sinewave AC output
- High surge power output
- High efficiency
- 4-stage programmable battery charger
- Power factor corrected AC input
- Fast AC transfer switch
- AC Input Current Limit (adjustable)
- Protected against high/low battery voltage, low AC input voltage, over temperature, overload, short circuit etc.
- Variable fan speed for silent operation
- Remote on/off possibility
- Remote control capability by SamlexLink
- 2 year warranty



2800 WATTS

TECHNICAL SPECIFICATIONS

| Model | PSC 3500-24-70 |
|--|---|
| Inverter (factory setting/range adjustable with URC + SamlexLink) | |
| Nominal Battery Voltage | 24 V |
| Input Voltage Range | 21 - 32Vdc |
| Continuous Power @ 25°C | 2800VA |
| Power 10 Min. @ 25°C | 3800VA |
| Power 3 Sec. @ 25°C | 6500VA |
| Maximum Load | Up to short-circuit |
| Maximum Asymmetric Load | Up to Pcont. |
| Load Detection (ASB threshold) | Variable (15-100W) (default : On @ Pout<20W / Off @ Pout>40W) |
| Cos Ø | 0.1-1 |
| Maximum Efficiency | 93% |
| Consumption OFF/Stand-by/ON | 0W / <4W / <20W |
| Output Voltage | Sine wave 230Vac (+/- 2%) / 185-270Vac |
| Output Frequency | 50Hz/60Hz (-01) adjustable 45-65Hz +/- 0.05% (crystal controlled) |
| Harmonic Distortion | <2% |
| Overload And Short-Circuit Protection | Automatic disconnection with 3 time restart attempt |
| Overheat Protection | Warning before shut-off - with automatic restart |
| Battery charger 4 step programmable IUoUoP | |
| Charging Current Adjustable | 0 - 70A (4A starter battery) |
| Input Current Balance Adjustment | 2 - 16A |
| Maximum Input Voltage | 260Vac |
| Input AC Voltage Range | Adjustable threshold from 150 to 265Vac |
| Input Frequency | 45 - 65Hz |
| Power Factor Correction (PFC) | > 0.95 |
| Battery control (factory setting/range adjustable URC + SamlexLink) | |
| Absorption End | By duration 4h or by current 10% Imax |

TECHNICAL SPECIFICATIONS

| | |
|-----------------------------------|---|
| Absorption Voltage | 28.8 / 21 - 32V |
| Floating Voltage | 27.2 / 21 - 32V |
| Equalization Voltage | 21 - 32V |
| Absorption Timer | 0 - 24h + infinite |
| Temp. Compensation (programmable) | -30mV / °C |
| General data | PSC 3500-24-70 |
| Max. Current On Transfer Relay | 30A |
| Transfer Time | 0ms (inverter-mains) <5ms (mains-inverter) |
| Weight | 19 Kgs |
| Dimension (LxWxH) | 370x431x132 mm |
| Protection Index | IP21 |
| Conformity | EMC directive/E2004/108/EC, LVD 2006/95/EC EN 60335-1, EN 60335-2-29 and RoHS 2002/95/EC |
| Operating Temperature Range | -20 to 50°C |
| Relative Humidity In Operation | 95% |
| Ventilation | Forced from 50°C |
| Options | |
| URC | • |
| Samlexlink | • |

Technical Specifications subject to change without notification