

## 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



**1800 WATTS**

### TECHNICAL SPECIFICATIONS

| Model                                                                      | PSC 2000-12-80                                                    |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|
| <b>Inverter (factory setting/range adjustable with URC + SamlexLink)</b>   |                                                                   |
| Nominal Battery Voltage                                                    | 12 V                                                              |
| Input Voltage Range                                                        | 10.5 - 16Vdc                                                      |
| Continuous Power @ 25°C                                                    | 1800VA                                                            |
| Power 10 Min. @ 25°C                                                       | 2100VA                                                            |
| Power 3 Sec. @ 25°C                                                        | 4000VA                                                            |
| 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                                                         | 92%                                                               |
| Consumption OFF/Stand-by/ON                                                | 0W / <3,5W / <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                  |
| <b>Battery charger 4 step programmable IUoUoP</b>                          |                                                                   |
| Charging Current Adjustable                                                | 0 - 80A (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                                                            |
| <b>Battery control (factory setting/range adjustable URC + SamlexLink)</b> |                                                                   |
| Absorption End                                                             | By duration 4h or by current 10% Imax                             |

## TECHNICAL SPECIFICATIONS

|                                   |                                                                                             |
|-----------------------------------|---------------------------------------------------------------------------------------------|
| Absorption Voltage                | 14.4 / 10.5 - 16V                                                                           |
| Floating Voltage                  | 13.6 / 10.5 - 16V                                                                           |
| Equalization Voltage              | 10.5 - 16V                                                                                  |
| Absorption Timer                  | 0 - 24h + infinite                                                                          |
| Temp. Compensation (programmable) | -30mV / °C                                                                                  |
| <b>General data</b>               | <b>PSC 2000-12-80</b>                                                                       |
| Max. Current On Transfer Relay    | 30A                                                                                         |
| Transfer Time                     | 0ms (inverter-mains) <5ms (mains-inverter)                                                  |
| Weight                            | 18,5 Kgs                                                                                    |
| Dimension (LxWxH)                 | 370x431x132 mm                                                                              |
| Protection Index                  | IP21                                                                                        |
| Conformity                        | EMC directive/E2004/108/EC, LVD 2006/95/EC<br>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                                                                            |
| <b>Options</b>                    |                                                                                             |
| URC                               | •                                                                                           |
| Samlexlink                        | •                                                                                           |

Technical Specifications subject to change without notification