

## 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



**1400 WATTS**

### TECHNICAL SPECIFICATIONS

Model	PSC 1800-24-35
<b>Inverter (factory setting/range adjustable with URC + SamlexLink)</b>	
Nominal Battery Voltage	24 V
Input Voltage Range	21 - 32Vdc
Continuous Power @ 25°C	1400VA
Power 10 Min. @ 25°C	1800VA
Power 3 Sec. @ 25°C	3000VA
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	94%
Consumption OFF/Stand-by/ON	0W / <3W / <12W
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 - 35A
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

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Absorption Voltage	28.8 / 21 - 32V
Floating Voltage	27.2 / 21 - 32V
Equalization Voltage	21 - 32V
Absorption Timer	0 - 24h + infinite
Temp. Compensation (programmable)	-60mV /°C
<b>General data</b>	<b>PSC 1800-24-35</b>
Max. Current On Transfer Relay	16A
Transfer Time	0ms (inverter-mains) <5ms (mains-inverter)
Weight	11 Kgs
Dimension (LxWxH)	351x210x114 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
<b>Options</b>	
URC	•
SamlexLink	•

Technical Specifications subject to change without notification