# PSI系列分相逆变器

1kW-6kW

## 性能特点

- 纯正弦波输出，可以带各类型的负载
- 内置隔离变压器
- 可选充电电流，优化电池性能，延长电池寿命
- 分相输出：240Vac/120Vac或220Vac/110Vac输出
- 具有电池防反接保护、过载保护、过温保护、短路保护等
- 冷启动功能
- 宽广的电网输入电压范围，可搭配发电机使用
- 具有频率自动侦测功能，适应不同的电网环境

## 应用范围

家庭设备、办公设备、监控系统、车载设备、工业自动化、通风系统、应急设备、太阳能系统

## 系统概述

宝星PSI系列分相逆变器适用于不同市场需求，它匹配不同的电压AC120V/240V，也可以设置输出电压、频率、充电电压、充电电流，适用于分相电力环境。

## 技术参数

| 型号 | | PSI1K-12 | PSI1K-24 | PSI1K5-12 | PSI1K5-24 | PSI2K-12 | PSI2K-24 | PSI3K-24 | PSI3K-48 | PSI4K-24 | PSI4K-48 | PSI5K-48 | PSI6K-48 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 额定功率 | | 1000W | | 1500W | | 2000W | | 3000W | | 4000W | | 5000W | 6000W |
| 瞬时功率 | | 3000W | | 4500W | | 6000W | | 9000W | | 12KW | | 15KW | 18KW |
| 尺寸(mm) | | 466x277x196 | | | | | | | | 621x277x186 | | | |
| 重量(Kg) | | 12.60 | | 13.80 | | 19.10 | | 22.30 | | 25.00 | | 27.00 | 31.00 |
| 交流输入 | 电压 | 220VAC/230VAC/240VAC | | | | | | | | | | | |
| | 输入最大电流 | 270VAC | | | | | | | | | | | |
| | 频率 | 50/60 Hz+2.5Hz (自动侦测) | | | | | | | | | | | |
| | 效率 | >95% | | | | | | | | | | | |
| 逆变输出 | 电压 | 220VAC or 230VAC or 240VAC±10% (HOT1-H0T2)<br>110VAC/110VAC or 115VAC/115VAC or 120VAC/120VAC±10% (HOT1-N/HOT2-N) | | | | | | | | | | | |
| | 频率 | 50/60 Hz+0.3Hz (自动侦测) | | | | | | | | | | | |
| | 逆变器效率 | 83% | | | | | | | | | | | |
| | 切换时间 | < 10ms | | | | | | | | | | | |
| | 波形 | 纯正弦波 | | | | | | | | | | | |
| | 过载能力 | ≦110%报警5分钟，然后停止输出并显示故障代码07；≦125%报警60s，然后停止输出并显示故障代码07；<br>>125%警报10秒然后停止 | | | | | | | | | | | |
| 电池 | 电池电压 | 12VDC/24VDC | | | | | | 24VDC/48VDC | | | | 48VDC | |
| | 最小启动电压 | 11VDC/22VDC | | | | | | 22VDC/44VDC | | | | 44VDC | |
| | 电池电压低保护 | 10VDC-10.5VDC/20VDC-21 VDC | | | | | | 20VDC-21VDC /40VDC-42VDC | | | | 40VDC-42VDC | |
| | 电池电压低报警 | 10.5VDC-11VDC/21 VDC-22VDC | | | | | | 21 VDC-22VDC/42VDC-44VDC | | | | 42VDC-44VDC | |
| | 电池电压高报警 | 14.8VDC-15.5VDC/29.6VDC-31VDC | | | | | | 29.6VDC-31VDC/59.2VDC-62VDC | | | | 59.2VDC-62VDC | |
| | 省电模式 | 30 Watts @110VAC or 115VAC or 120VAC, 60 Watts @220VAC or 230VAC or240VAC | | | | | | | | | | | |
| | 升压充电电压 | 14.1VDC (13.8VDC-14.5VDC 可调)<br>28.2VDC (27.6VDC-29.0VDC 可调) | | | | | | 28.2VDC (27.6VDC-29.0VDC 可调)<br>56.4VDC (55.2VDC-58.0VDC 可调) | | | | 56.4VDC (55.2VDC-58.0VDC 可调) | |
| | 浮充电压 | 13.5VDC (13.5VDC-13.7VDC 可调)<br>27.0VDC (27.0VDC-27.4VDC 可调) | | | | | | 27.0VDC (27.0VDC-27.4VDC 可调)<br>54.0VDC (54.0VDC-54.8VDC 可调) | | | | 54.0VDC (54.0VDC-54.8 VDC 可调) | |
| | 交流充电电流 | 30A-12V/20A-24V | | 45A-12V/25A-24V | | 60A-12V/30A-24V | | 40A-12V/20A-24V | | 60A-12V/30A-24V | | 35A | 40A |
| 环境条件 | 工作湿度范围 | 10%～93% | | | | | | | | | | | |
| | 使用环境温度 | -10°C~50°C | | | | | | | | | | | |
| | 海拔 | ≤3000m | | | | | | | | | | | |
| | 通讯接口 | USB/BTS/AGS | | | | | | | | | | | |