Photovoltaics

# PURE SINE WAVE UPS INVERTER (PIP-C Series)

- UPS INVERTER
- HIGH FREQUENCY
- PURE SINE WAVE
- AC CHARGER
- WIDE AC RANGE
- LCD DISPLAY

**AC available - UPS mode (default)**
**AC unavailable - Inverter mode**

| PIP-C SERIES | 512C | 812C |
|---|---|---|
| **ELECTRICAL SPECIFICATIONS** | | |
| Continuous Output | 500W | 840W |
| Nominal Input Voltage | 230VAC | |
| Input Voltage Range | 90 - 280VAC (Appliance) OR 170 - 280VAC (UPS/PC) | |
| Output Waveform | Pure Sine Wave | |
| Output Frequency | 50Hz or 60Hz (auto sensing ) | |
| Output Regulation | 230VAC ± 5% | |
| Peak Efficiency | 90% | |
| Nominal DC voltage | 12V batteries only | |
| Shutdown, Low Alarm DC Voltage | 10.5V, 11.5V | |
| CC/CV, Float Voltage | 14.1V, 13.5V | |
| Charging Algorithm | 3-stage | |
| Max DC Voltage | 15V | |
| Charging Current | 10A / 15A adjustable | 10A / 20A adjustable |
| Recommended Battery Capacity | 100 - 200Ah | |
| Protections | Overload, Short Circuit, Overcharging | |
| No-load Draw | <15W | |
| **ENVIRONMENTAL / MECHANICAL SPECIFICATIONS** | | |
| Certification / EMC | CE | |
| Operating Temp. | 0°C ~ +45°C | |
| Operating Humidity | 20~90%RH Non-Condensing | |
| Dimension | 290*290*127mm | |
| Weight | 4.5Kg | 4.8Kg |

## KEY FEATURES

- Pure sine wave output ensure wide compatibility with all loads
- Suitable for use with home appliance and personal computers
- Primary operation as UPS with selectable input voltage range
- 12V batteries required
- 50 or 60Hz auto sensing
- 3-IN-1 design: UPS + inverter + battery charger functionality
- 3-stage max 10A-20A selectable charger
- DC start and automatic self-diagnostic sequence.
- Auto restart during AC recovery
- Generators compatible
- Overload and short circuit protection
- Light, compact, easy to install
- CE certified

*Product specifications are subject to change without prior notice. MPP Solar is a registered trademark of MPP Solar Inc.

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