# SOLTEK Series

## 1000W/ 1500W
## Off-Grid Solar Inverter




### Features:

- Pure sine wave solar inverter
- 40A MPPT Solar Charge Controller
- PV Input range 20V-150V (1000W model), 30-150V (1500W model)
- Smart battery charge management system (Pb/ Gel/ Li-ion/ LiFePO4, User Defined)
- Off-grid system to directly power your loads from the solar power
- Programmable Grid and Solar priority
- Active Carbon Filter protects from environment dust

# Product Datasheet

| | Parameter | 1000W | 1500W |
|---|---|---|---|
| Model | **BDTRONICS** | **SOLTEK-12-1000** | **SOLTEK-24-1500** |
| **AC Input** | Voltage | 230VAC | 230VAC |
| | Selectable Voltage Range | 90–280VAC (IPS Mode)<br>170–280VAC (UPS Mode) | |
| | Frequency Range | 50Hz/60Hz (Auto sensing) | 50Hz/60Hz (Auto sensing) |
| **AC Output** | AC Voltage Regulation | 230VAC ±5% | 230VAC ±5% |
| | Surge Power | 2000VA | 3000VA |
| | Efficiency (PV → INV) | 98% | 98% |
| | Efficiency (Battery → INV) | 94% | 94% |
| | Transfer Time | 10ms | 10ms |
| **Battery** | Battery Voltage | 12V | 24V |
| | Floating Charge Voltage | 13.5V | 27V |
| | Overcharge Protection | 16V | 32V |
| | Battery Type | AGM, Flooded, User Defined or Lithium | |
| | Battery Charging Modes | Bulk & Float Charge, Equalization | |
| **Solar Charger & AC Charger** | Solar Charger Type | MPPT | MPPT |
| | Maximum PV Array Power | 600W | 1200W |
| | MPPT Operating Voltage Range | 20–150VDC | 30–150VDC |
| | Maximum PV Array Open Circuit Voltage | 150VDC | 150VDC |
| | Maximum Solar Charge Current | 40A | 40A |
| | Maximum AC Charge Current | 40A | 40A |
| | Maximum Charging Current (Solar + AC) | 80A | 80A |
| **Physical** | Dimension (D × W × H) | 290 × 240 × 90mm | 290 × 240 × 90mm |
| | Carton Dimension (D × W × H) | 345 × 300 × 150 mm | 345 × 300 × 150 mm |
| **Environment** | Humidity | 5%–95% RH (Non-condensing) | 5%–95% RH (Non-condensing) |
| | Operating Temperature | -10°C to 50°C | -10°C to 50°C |

Thanks for choosing our product.