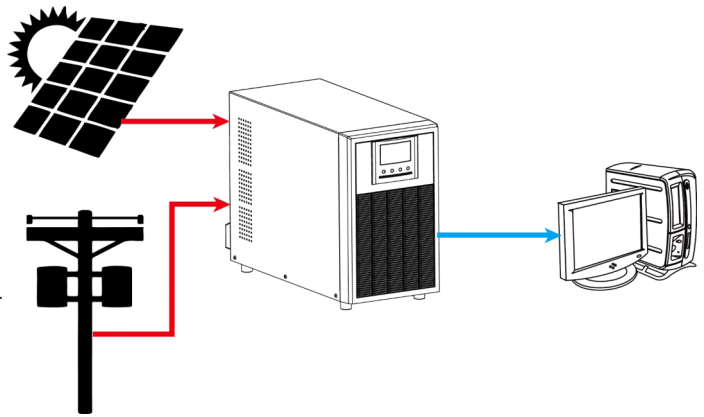


SONIC+

SOLAR ONLINE UPS

Salient Features

- True double-conversion online UPS.
- Generator Compatible and supports cold start function.
- Output power factor 1.0.
- Wide range of Protection including Overload and Short-Circuit.
- Built-in 80A MPPT solar charger and 60A AC charge.
- Parallel operation up to 9 units with Software for remote operation.
- Configurable AC/Solar input priority via LCD setting.
- Common 48Vdc battery pack for the parallel system.



Server



Network



Security



Medical



Education

Technical Specifications - Sonic+ UPS

| | | |
|----------------------------|---------------------------------------|--|
| SOLAR UPS | MODELS | Solar UPS 5 KW |
| | MAXIMUM PV INPUT POWER | 4000W |
| | RATED OUTPUT POWER | 5000VA/5000W |
| INPUT | Voltage | 230VAC |
| | Voltage Range | 110-280 VAC |
| | Frequency Range | 50 Hz/60 Hz (Auto sensing) ± 4Hz |
| | Power Factor | > 0.98 @ Nominal Voltage (100% Load) |
| | THDi | < 10% |
| OUTPUT | AC Voltage Regulation (Batt. Mode) | 230VAC ± 5% |
| | Frequency Range (Synchronized Range) | 46~54 Hz or 56~64 Hz |
| | Frequency Range (Batt. Mode) | 50 Hz |
| | Harmonic Distortion | ≅ 3 % THD (Linear Load); ≅ 5 % THD (Non-linear Load) |
| | Transfer Time (AC Mode to Batt. Mode) | 0ms |
| | Transfer Time (Inverter to Bypass) | 4 ms (Typical) |
| | Waveform | Pure sine wave |
| EFFICIENCY | Line Mode | 93% |
| | ECO Mode | 99% |
| | Battery Mode | 92% |
| BATTERY | Battery Voltage | 48 VDC |
| | Floating Charge Voltage | 54 VDC |
| | Overcharge Protection | 66 VDC |
| SOLAR CHARGER & AC CHARGER | Solar Charger type | MPPT |
| | Maximum PV Array Power | 4000 W |
| | MPPT Range @ Operating Voltage | 60 ~ 115 VDC |
| | Maximum PV Array Open Circuit Voltage | 145 VDC |
| | Maximum Solar Charge Current | 80A |
| Maximum AC Charge Current | 60A | |
| ENVIRONMENTAL | Operating Temperature | -10°C to 50°C |
| | Storage Temperature | -15°C to 50°C |
| | Humidity | 5-95% RH non condensing |
| PHYSICAL | Net Weight (Kg) | 16.0 |
| | Communication Interface | RS232 & USB |
| | Dimensions (L x W x H) mm | 465 x 190 x 336 |

*Specification are subject to change without prior notice. For detailed technical specifications, please refer to the product manual.

