

SOLAR UPS

- True double-conversion online UPS
- Output power factor 1.0
- Built-in 80A MPPT solar charger and 60A AC charger
- Configurable AC/Solar input priority via LCD setting
- Parallel operation up to 9 units
- Common 48Vdc battery pack for the parallel system
- Configurable charging current via LCD setting
- Compatible with Generator
- Cold Start capability
- Overload and short circuit protection



TECHNICAL SPECIFICATIONS

| MODEL | | SOLAR UPS 5kW | |
|---------------------------------------|------|---|----|
| Maximum PV input power | | 4000W | |
| Capacity | | 5000VA/5000W | |
| INPUT | | | |
| Voltage | | 230 VAC | |
| Voltage range | | 110-280 VAC | |
| Frequency range | | 50Hz/60Hz (auto sensing) | |
| Power factor | | > 0,98 @ Nominal voltage (@ 100% load) | |
| THDi | | < 10% | |
| OUTPUT | | | |
| AC Voltage regulation | | 230VAC ± 5% | |
| Frequency range | | 46~54Hz or 56~64Hz | |
| Frequency range (battery mode) | | 50Hz | |
| Voltage THD | | ≤ 3% THD (linear load), ; ≤ 5 % THD (non linear load) | |
| Efficiency (peak) | | 93% | |
| Transfer time AC mode to battery mode | | Sifir | |
| Transfer time Inverter to bypass | | 4 ms | |
| Waveform | | Pure sinewave | |
| EFFICIENCY | | | |
| Line mode | | 93% | |
| Eco mode | | 99% | |
| Battery mode | | 90% | |
| BATTERY | | | |
| Battery voltage | | 48 VDC | |
| Floating charge voltage | | 54 VDC | |
| Overcharge protection | | 66 VDC | |
| SOLAR CHARGER & AC CHARGER | | | |
| Solar charge type | | MPPT | |
| Maximum PV array power | | 4000 W | |
| MPPT range @ operating voltage | | 60 VDC ~115 VDC | |
| Maximum PV array open circuit voltage | | 145 VDC | |
| Maximum solar charge current | | 80 A | |
| Maximum AC charge current | | 60 A | |
| PHYSICAL | | | |
| Dimensions, HxWxD (mm) | | 336x190x465 | |
| Net weight (kg) | 16,0 | | 10 |
| Communication interface | | RS232 & USB | |
| OPERATING ENVIRONMENT | | | |
| Humidity | | %5 to %95 (non condensing) | |
| Operating temperature | | 0°C to 55°C | |
| Storage temperature | | -15°C to 60°C | |