

Wall mounted Solar Inverter

P series 1000VA to 5000VA



Full protection:

Protection for low battery voltage, over load, output short circuit and over-temperature. Restrain surge interference, eliminate noise, protection for thunder striking, provide the reliable power to the home appliances.

Key Features:

- Pure sine wave inverter.
- Cold start function.
- Remote panel available.
- Auto restart while AC is recovering.
- Overload and short circuit protection.
- Compatible to mains voltage or generator power.
- Selectable charging current based on applications.
- Configurable AC/Solar input priority via LCD setting.
- Built-in PWM solar charge controller.
- Smart battery charger design for optimized battery performance.
- Parallel operation with up to 6 units only available for 4KVA/5KVA.
- Selectable input voltage range for home appliances and personal computers

Model choose sheet

| Model | P1K-1250 | P2K-2450 | P3K-2450 | P4K-4850 | P5K-4850 |
|---------------------------------------|--|--------------|----------------|----------------|----------------|
| Rated Power | 1000VA / 800W | 2000VA/1600W | 3000VA / 2400W | 4000VA / 3200W | 5000VA / 4000W |
| INPUT | | | | | |
| Voltage | 230 VAC | | | | |
| Selectable Voltage Range | 170-280 VAC (For Personal Computers) 90-280 VAC(For Home Appliances) | | | | |
| Frequency Range | 50 Hz/60 Hz (Auto sensing) | | | | |
| OUTPUT | | | | | |
| AC Voltage Regulation (Batt. Mode) | 230VAC ± 5 % | | | | |
| Surge Power | 2000VA | 4000VA | 6000VA | 8000VA | 10000VA |
| Efficiency (Peak) | 90% | | 93% | | |
| Transfer Time | 10 ms (For Personal Computers) 20 ms (For Home Appliances) | | | | |
| Waveform | Pure sine wave | | | | |
| BATTERY | | | | | |
| Battery Voltage | 12 VDC | 24 VDC | | | 48 VDC |
| Floating Charge Voltage | 13.5 VDC | 27 VDC | | | 54 VDC |
| Overcharge Protection | 15.5 VDC | 31 VDC | | | 60 VDC |
| SOLAR CHARGER & AC CHARGER | | | | | |
| Maximum PV Array Open Circuit Voltage | 50VDC | 60VDC | | | 105VDC |
| Standby Power Consumption | 1 W | 2 W | | | 2W |
| Maximum Solar Charge Current | 50A | 50A | | | 50A |
| Maximum AC Charge Current | 20A | 30A | | | 60A |
| Maximum Charge Current | 50A | 50A | | | 110A |
| PHYSICAL | | | | | |
| Dimension, D x W x H (mm) | 95x240x316 | 100x272x355 | | | 120x295x468 |
| Net Weight (kgs) | 5 | 6.4 | 6.9 | 9.8 | 9.8 |
| OPERATING ENVIRONMENT | | | | | |
| Humidity | 5% to 95% Relative Humidity(Non-condensing) | | | | |
| Operating Temperature | 0° C - 55° C | | | | |
| Storage Temperature | -15° C - 60° C | | | | |

Wall mounted Solar Inverter

M series 1000VA to 5000VA



Key Features:

- Pure sine wave inverter.
- Cold start function.
- Remote panel available.
- Auto restart while AC is recovering.
- Overload and short circuit protection.
- Compatible to mains voltage or generator power.
- Selectable charging current based on applications.
- Configurable AC/Solar input priority via LCD setting.
- With MPPT solar charge controller.

Model choose sheet

| Model | M1K-2425 | M2K-2425 | M3K-2425 | M4K-4880 |
|---|--|------------|------------|----------------|
| Rated Power | 1KVA/800W | 2KVA/1600W | 3KVA/2400W | 4KVA/3200W |
| INPUT | | | | |
| Voltage | 230 VAC | | | |
| Selectable Voltage Range | 170-280 VAC (For Personal Computers) 90-280 VAC(For Home Appliances) | | | |
| Frequency Range | 50 Hz/60 Hz (Auto sensing) | | | |
| OUTPUT | | | | |
| AC Voltage Regulation (Batt. Mode) | 230VAC ± 5% | | | |
| Surge Power | 2000VA | 4000VA | 6000VA | 8000VA |
| Efficiency (Peak) | 90% | 93% | | |
| Transfer Time | 10 ms(For Personal Computers) ; 20ms (For Home Appliances) | | | |
| Waveform | Pure sine wave | | | |
| BATTERY | | | | |
| Battery Voltage | 24 VDC | | 48VDC | |
| Floating Charge Voltage | 27 VDC | | 54VDC | |
| Overcharge Protection | 31 VDC | | 60VDC | |
| SOLAR CHARGER & AC CHARGER | | | | |
| Maximum PV Array Power | 600W | 600W | 600W | 4000W |
| MPPT Range @ Operating Voltage | 30 - 66VDC | | 30 - 66VDC | 60VDC - 115VDC |
| Maximum PV Array Open Circuit Voltage | 75VDC | | 75VDC | 145 VDC |
| Maximum Solar Charge Current | 25A | | 25A | 80A |
| Maximum AC Charge Current | 20A | 30A | 30A | 60 A |
| Maximum Charge Current | 25A | 30A | 30A | 140A |
| AC charger and solar charger can't work at the same time. | | | | |