

PCE[®]

P O W E R

CASA LIGHT 1KW /2KW /3KW /5KW



This simple solar inverter is designed to power your home appliances and precious electronics

- Pure sine wave solar inverter
- Output power factor 1
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible to AC mains or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Battery equalization for optimized battery performance and lifecycle
- Cold start function
- Optional anti-dust kit

CASA LIGHT

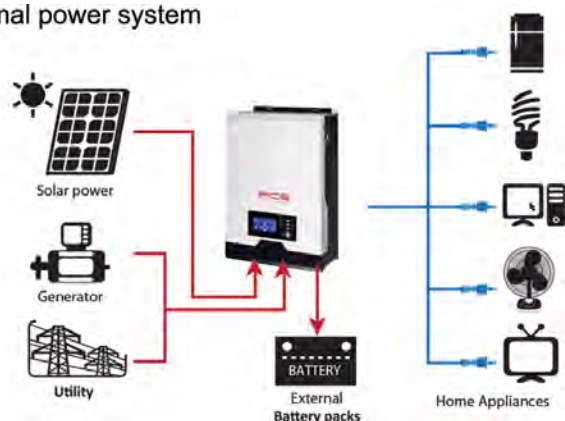
1KW / 2KW / 3KW / 5KW



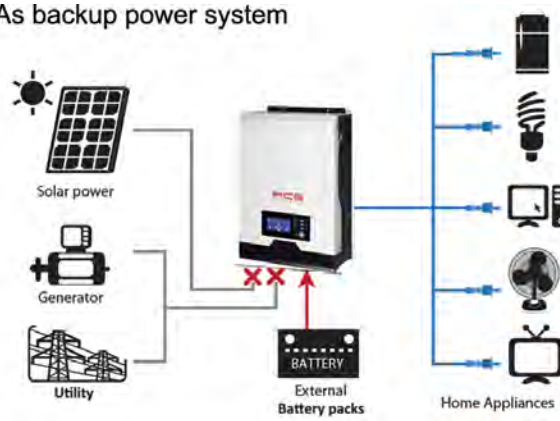
| MODEL | Casa Light 1KW | Casa Light 2KW | Casa Light 3KW | Casa Light 5KW |
|---------------------------------------|--|----------------|-----------------|-----------------|
| Rated Power | 1000VA/1000W | 2000VA/2000W | 3000VA/3000W | 5000VA/5000W |
| INPUT | | | | |
| Voltage | 230 VAC | | | |
| Selectable 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 | 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 | 24 VDC | 48 VDC |
| Floating Charge Voltage | 13.5 VDC | 27 VDC | 27 VDC | 54 VDC |
| Overcharge Protection | 16 VDC | 31 VDC | 33 VDC | 63 VDC |
| SOLAR CHARGER & AC CHARGER | | | | |
| Maximum PV Array Open Circuit Voltage | 102 VDC | 102 VDC | 102 VDC | 145 VDC |
| Maximum PV Array Power | 500W | 1000W | 1000W | 3000W |
| MPP Range @ Operating Voltage | 17 ~ 80 VDC | 30 ~ 80 VDC | 30 ~ 80 VDC | 60 ~ 115 VDC |
| Maximum Solar Charge Current | 40A | 40A | 40A | 60A |
| Maximum AC Charge Current | 20A | 25A | 25A | 60A |
| Maximum Charge Current | 60A | 60A | 60A | 120A |
| PHYSICAL | | | | |
| Dimension, D X W X H (mm) | 88 x 225 x 320 | 88 x 225 x 320 | 100 x 285 x 334 | 100 x 300 x 440 |
| Net Weight (kgs) | 4.4 | 5.0 | 6.5 | 9.7 |
| Communication Interface | USB/RS232 | | | |
| OPERATING ENVIRONMENT | | | | |
| Humidity | 5% to 95% Relative Humidity (Non-condensing) | | | |
| Operating Temperature | -10°C to 50°C | | | |
| Storage Temperature | -15°C to 60°C | | | |

Product specifications are subject to change without further notice

As normal power system



As backup power system



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