

KAPA ENERGY

Kapa energy is a portable, 1000 Watts pure sine-wave inverter, with a built-in 100Ah battery and a solar charge controller. This easy to use high-performance inverter, has a dual AC output connection and ports for 12V devices. For additional energy storage, the inverter has a connection for an additional 100Ah battery, and where there is no AC power, a connection for a PV (solar) Panel/s.

Load Shedding Solution
Backup Power

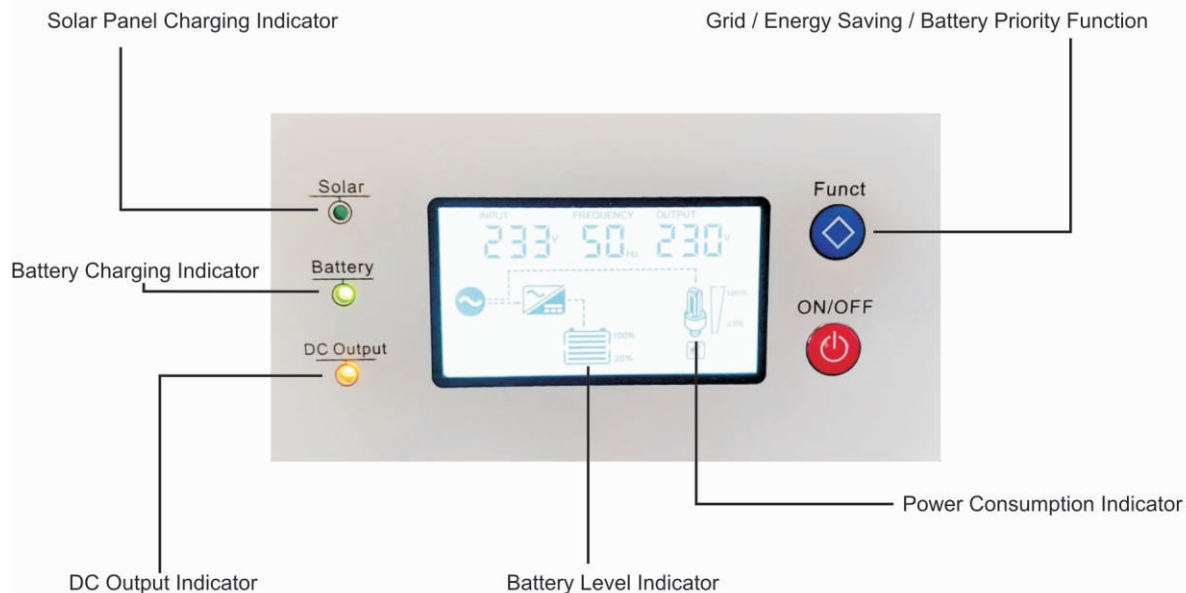
**1000W UPS
INVERTER**



Product's Features:

- Duel CPU on board, for improved performance.
- Pure sine-wave AC output, able to power many appliances.
- Digital display for easy viewing of the system states.
- Multiple supply modes (Main/Energy-Saving/Battery).
- Convenient 5VDC-USB output port and 12VDC output port.
- Overcharge / discharge protection for extended battery life.
- Dynamic cooling, including automatic fan, for system longevity.
- Built-in automatic protections and alarm features, including AC output overload and circuit protection, for safety.

LCD Display:



Technical Data:

Model	KAPA Energie - 1000	
Battery rated voltage (VDC)		
	12V	
Inverter	Rated power (W)	1000
	Input voltage range (VAC)	145-275
	Input frequency (Hz)	45 -65
	Output voltage (VAC)	230 (+/-5%)
	Output frequency (Hz)	50 /60
	Output wave	Pure Sine Wave
	Specification of built-in battery	100AH / 12V
	Communication	RS232
Solar input	Max. PV voltage (VDC)	≤25
	Range of charging voltage (VDC)	15 - 25
	Controller rated charge current (A)	PWM 30A
	Voltage for overcharge protection (VDC)	14.2
	Voltage for overcharge recovery (VDC)	14.0
DC output	Voltage for floating charge (VDC)	13.8
	Voltage for high voltage protection (VDC)	16.8
	High voltage recovery voltage (VDC)	16.0
	Low voltage recovery voltage (VDC)	13.0
	Low voltage protection voltage (VDC)	11.0
	5VDC USB output	2units /MAX 2A
	12VDC output ports	2units/MAX 2A
	Heat dissipation/Cooling	Temperature control by intelligent exhaust fan
Operating ambient temperature	-20 - +50°C	
Storage ambient temperature	-25 - +55°C	
Operating/Storage ambient	0-90% No condensation	
External size: W*D*H (mm)	443×267×445	
Gross Weight	45Kg	

System's Overview:

Load (MAX 1000W)



~230VAC Input



~230VAC Output



DC Power On/Off



Battery Protection
(Turn On to Use Battery)



5VDC - USB



12VDC Output



MAX 24V / 30A
(3 X ~160W panels)



12V Battery



No Heating Elements