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the Sun

PowerCom



Solar Inverter

Products Description

Simulated Sine wave Solar hybrid inverter art of state design which can charge the battery from the normal Grid electricity also. Solar priority charger can optimize utility power and saves your utility bills. Integrated design and zero loading effective any critical loads like for light, fan, led tv and others gadget.

1. BLE (Battery Life Enhancer) - Removes sulphation and increase the life of the battery. Hence it increases the reliability of the product.

2. Precise Engineering- gives precise and accurate switchovers so that there are minimal chances of rebooting of computers and therefore no damage of precious appliances.

3. Advance Power Saver- Improve the power factor of electricity consumed and thus saves the wastage of electricity.



Products Features

1. Atom Technology - Less components, small size, more efficiency
2. Advance Power Saver Inside - Corrects Power Factor, electric bill saving
3. Battery Life Enhancer (BLE) - removes sulphation from plates, better backup & battery life , 35% increase in life,
4. Battery Temperature Control (BTC) - battery temp. controlled, water topping after 8 months
5. Battery Equalizer - same battery voltage in 24V inverters, safety of battery, optimum utilization of batteries
6. Gravity Profile Management - adjust the charging voltage for aging batteries, avoids bulging/ swelling
7. Precise Engineering - accurate A/C high & low cuts, avoids rebooting of computer

Products Application

House, hospital, commercial shop and bank for solar application.

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Products Specifications

MODEL		PCM-600 to 850SI	PCM-1000 to1500SI
SYSTEM(DC) VOLT		12/24 VOLT	24 VOLT
RATED CAPACITY(AC) VA		600/650VA or 800/850 VA	1000/1200VA or 1450/1500 VA
SOLAR BATTERY SIZE(Watt-Hour) (ABR)		4 TIMES OF PANEL WATTAGES	
SOLAR LOAD SIZE (Watt) (ALR)		125% GOOD ;140% EXCELLENT	
BATTERY	Charging Volt	14.4 V @12V SYSTEM/28.8 V@24V SYSTEM	
	Low Battery Shutdown	11.6 V \pm 0.2@12V SYSTEM/23.2 V \pm 0.2@24V SYSTEM	
	Battery Over Volt & Over charging protection	Yes	
	Battery Charging on Solar	10 % of Battery Ah(C@10A)	
AC INPUT	Voltage	100 V TO 280 V	
	Frequency	50 Hz \pm 3.0 Hz	
	Phase	1 Phase 3 Wire	
OUTPUT VOLT ON MAINS MODE	Same as Input		
OUTPUT VOLT ON DC MODE	220 V \pm - 5%		
OUTPUT FREQ	50 Hz \pm 0.1 Hz		
WAVE FORM	Simulated Sine Wave		
MAX OUTPUT LOAD	On Solar PV only	80 % of the PV PANEL WATT	
	On Battery + Solar	200 % of the PV PANEL WATT	
	On Mains IN	300 % of the PV PANEL WATT	
SWITCHING FROM MAINS TO SOLAR/BATTERY	Automatic		
CHARGING DUAL MODE	CCCV & Solar charger		
EFFICIENCY	> 92 %		
INVERTER OVERLOAD	120%		
INVERTER SURGE CAPACITY	300%		
TECHNOLOGY	Low frequency with Stand Alone Microcontroller Based Hybrid Design		
DISPLAY (OPTIONAL)	LCD/LED		
AUTORESET FEATURE	YES		
HUMIDITY FACTOR	Max 65% non - condensing		
GROSS WEIGHT (kg)	Customized		
DIMENSION (mm)	Customized		

* The technical specification is subjected to change without prior notice.

