



OFF GRID INVERTER

RELIABLE, STANDALONE, OFF-GRID POWER CONVERSION.

KEY FEATURES

- 30AMP. RELAY-NO NEED FOR SEPARATE WIRING
- IDEAL FOR MIXED LOAD APPLICATION
- UPS MODE SELECTOR FOR COMPUTERS
- DSP BASED INTELLIGENT CONTROL
- FAST CHANGE OVER & SINE WAVE O/P



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800 W to 2500 W

FEATURES

State-of-the-art DSP based Technology: The technology used in SkySail Innovation Sure Sine Wave' Super Inverter" and Home UPS is DSP based technology that uses Auto Sense Intelligent Control (ASIC). ASIC technology gives maximum power and backup time. DSP monitors the output level and battery voltage and adjusts the amplitude and wave shape of the sine wave according to that. The DSP also corrects the Power Factor while battery charging.

Auto Reset: SkySail Innovation Sure Sine Wave' Super Inverter and Home UPS has auto-reset function in case of Overload Short Circuit. It will reset itself automatically and will make 6 attempts for Overload. Otherwise, it will shut off, and you will have to reset the inverter manually by turning ON/OFF switch on its front panel.

Protection Circuit: The SkySail Innovation Sure Sine Wave' Super Inverter" and Home UPS is protected from low battery voltage and over current conditions. When the inverter senses one of these situation, it will protect itself by disconnecting from the load, and will signal an error condition by displaying along with the buzzer.

Automatic Low Battery Cutout (LBCO): The SkySail Innovation Sure Sine Wave" Super Inverter" and Home UPS protects your batteries from damage caused by over-discharging, by automatically shutting itself off when battery voltage falls to a preset level. This feature is called the low battery cutout. The Genus Sure Sine Wave Super Inverter" & Home UPS comes from the factory with the LBCO voltage set at 10 volts per battery.

Automatic High Battery Cutout: When battery voltage rises above 14.4 volts per battery, the charger stops its normal charging and comes to the trickle mode to take care of the self-discharging of the battery. The charger automatically resumes operation when battery voltage drops below 13.7 volts per battery.

Over Current Cutout: SkySail Innovation Sure Sine Wave" Super Inverter" and Home UPS is protected from over current conditions. When the load being run demands more current than the inverter will shut down automatically along with the display indication.

Battery Type Optimization: SkySail Innovation Sure Sine Wave" Super Inverter" and Home UPS is designed to prevent damage and extend life of your batteries by regulating the charging voltage and duration. To do this, the inverter must be configured for the type of batteries in the system.

SPECIFICATIONS ON MAINS:

Input	
Normal Voltage	220 V Single Phase & N
Input Voltage Window	(-20% to + 15%)
Normal Frequency	50 Hz + 6%
Output	
Output Voltage	220 V Single Phase & N
BATTERY	
DC Bus bar voltage	12 V – 120 VDC
Load Power factor	0.8 lag to unity
Nominal Voltage	220 VAC Single phase.
Regulation	(+) 5%
Frequency	50 Hz +0.1 Hz
Overload Capacity	125% for 10 mins, 150% for 60 Secs
Inverter Type	PWM
Transient Response	Remain within + 5% & Recover to 98% within one cycle
Duty	Continuous
Changeover Time	20 - 30 ms
EFFICIENCY	
Inverter Efficiency(DC to AC)	>90%
PROTECTIONS	Input under / Over Voltage, Battery low, Battery Charging Current Limit Output Under Voltage, Output Over Voltage, Output Overload, Output Short Circuit