

SOLAR ENERGY IT IS FREE, CLEAN AND ABUNDANT



®

COSMIC

AN ISO 9001 : 2008 CERTIFIED

ESTD
1994

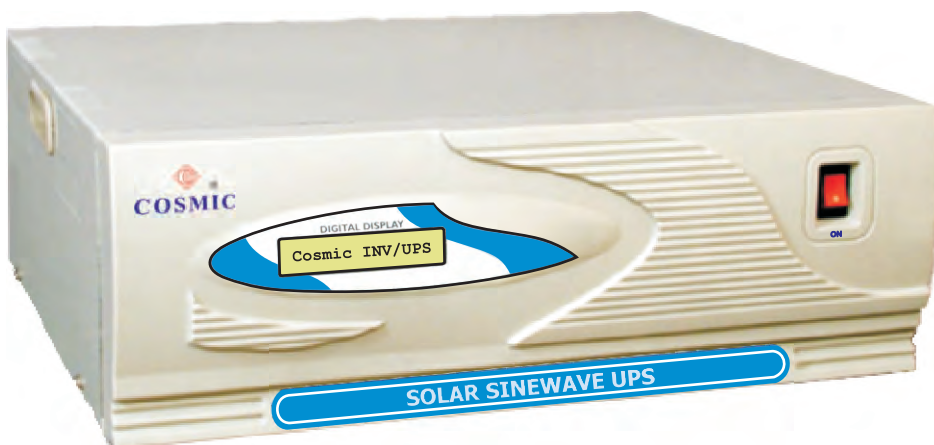
CPRI
ETDC
TESTED

Cosmic Solar Power System Reduceses your Electricity Bill



**Get the Free
Power Supply
from Cosmic Solar Sinewave Ups**

Mfrs : ONLINE UPS ○ SINEWAVE UPS ○ SERVO STABILIZERS ○ WATER SOFTENER ○ WATER PURIFIER



Reliable, Economical, Efficient and ECO Friendly

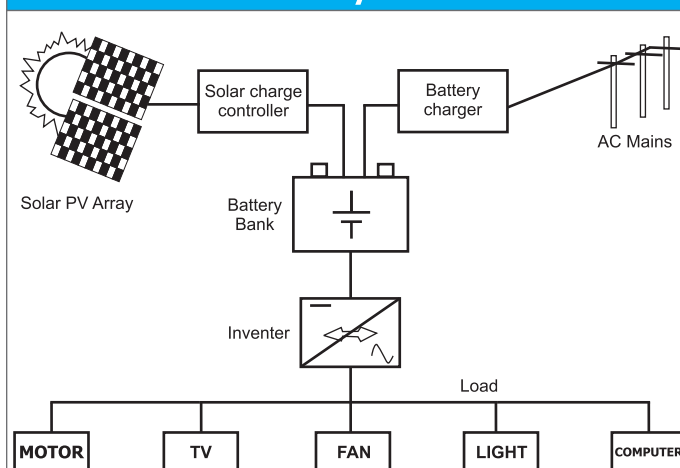
The Sun is a vital source of energy. Life on earth is completely dependent on only a part of the sun's total energy. Renewable energy from the sun is abundant, clean, silent, inexhaustible and moreover in this expensive world, it is free.

Solar Power Systems: Works on both Solar and AC Mains Power depending on Sun light Availability and energy requirement.

solar sinewave ups technical specifications

Technology	: DSP Based PWM MOSFET / IGBT
Capacity	: 600VA to 15KVA
Input Voltage	: 175V to 265V AC for computer 100V to 300V AC for lighting
Transfer Time	: <10ms
Waveform	: Pure Sine Wave
Frequency	: 50Hz \pm 0.5Hz
Efficiency	: >96%
Output Voltage	: 225V \pm 1% (on Battery mode)
Power factor	: 0.8 lag
Charger On Mains	: DSP Based Technology Trickle cum float Charger
Charger On Solar	: Intelligent Maximum power point tracking (MPPT) technology
Battery charging current	: Up to 30A (On Solar)
Peak charger efficiency	: 97%
Short Circuit Protection	: >300% load (short circuit with Manual Reset Function)
Indications/LCD Display	: Mains On, Mains Charging, Solar Charging, Inv On, Battery Low, Overload
Alarms	: Battery Low, Over Load, Mains Failure, Short Circuit
Protection	: Mains and Solar High and Low Voltage, Short Circuit, Battery deep discharge and over charge
Type of cooling	: Forced Air Cooling
Noise level	: Less than 60db
Crest factor	: Upto 3:1
Withstanding capacity	: 125% up to 60 Seconds
Battery voltage	: 600KVA/12V 15KVA/240V
Operating Temp	: 0-50 C

Cosmic Solar Power Systems How it Works



How it functions :

Solar PV module converts Sunlight into DC Power and this is stored in the Battery bank. Solar Charger optimizes Solar charging and prevents Battery Over charge / Deep discharge. Inverter converts DC Power into AC Power. In rural areas where Grid power is not available, The system shall work only on Solar Power.

Key Features

- ▶ DSP based control guarantees high reliability
- ▶ Pure Sine Wave output
- ▶ 30% More energy is harvested by using MPPT solar charger
- ▶ Auto priority logic in the charger for both mains and solar inputs
- ▶ If the load is less than 5W, the inverter automatically switches to sleep mode to save power
- ▶ Compact and light weight
- ▶ User friendly installation
- ▶ High efficiency and extended backup time
- ▶ Normal and Computer mode
- ▶ Noiseless operation of fans, lamps and appliance.
- ▶ Liquid crystal display

Applications :

Residence, Apartments, Farm House, Office, Hospitals, Business Centers, Institutions, Shops, Hotels, Clinics, Showrooms, Computer Centers Etc.

Manufactured by :

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Sales and Service by :