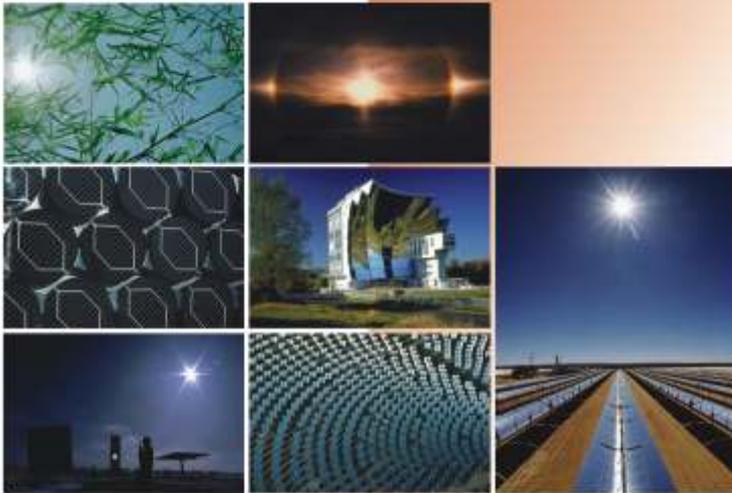




caring future



solar Power

## Solar Power House

G. P. Tronics, in the field of Power Electronics since 1978, introduces Solar Power House (SPH) a conceptual product to meet clean energy demand of future at an affordable price. New concept of free energy harnessing, re-use and re-invest from saving make the concept viable to build up your own Green Power House.

SPH Series "DIGITAL VERSION" with multi features perform all the functions of Automatic Voltage Regulator, Solar Inverter, UPS with inbuilt Mains & Solar Charge Controller.

Multifunction capability supports any type of critical and non-critical appliances, gadgets and equipments within its capacity without affecting equipment performance capability.

Basic mimic display instantaneously indicates functional status and state of various protection topology.

### Unique Features

- Automatic battery charging from Solar PV, with manual option to charge from mains in case of emergency requirement.

- Wide range of mains I/P voltage also ensuring minimum discharge of battery enhancing service life.

- Automatic voltage regulation from wide range of mains I/P voltage with proper filtering delivers regulated clean out put power and low & high voltage disconnection ensures safe operation of all appliances used.

- Inverter mode operation is able to accept up to 125% overload without disconnecting but with an audible alarm indication to disconnect extra load for uninterrupted operation.

- High temperature protection with a display.

- State of art microcontroller design with LCD display indicates different operating parameters of the system including various protections for safe operation.

- System self diagnostic check and soft start command.

Low load standby power consumption and high efficiency achieved through system design and use of special components make the system ideal for SOLAR POWER application.

Various other protections ensure system reliability for longer life.

Pioneer in Indian Inverter Industry  
introduces another innovative product with no match

## DESIGN BENEFIT

Green Power Generation from Solar.

Save & re-invest for independent "POWER HOUSE".

Pure sine wave, precision O/P voltage, low THD ensures zero humming with fan/light - resulting longer life.

Microcontroller base PWM Technology in inverter/Charger.

Robotic test feature.

LCD display & Mimic Panel for Real-time information with membrane switch embedded state-of-art design.

Un-interrupted power.

Universal end use within capacity.

## TECHNICAL SPECIFICATIONS

Capacity : 600 / 800 / 1500 / 2000 / 3000VA

Battery Volt : 12 / 12 / 24 / 24 / 48VDC

Inv. O/P Volt : 230V $\pm$ 3%

Frequency : 50Hz $\pm$ 0.1%

Main I/P Volt : 135V - 270VAC

Main O/P Volt : 230V $\pm$ 3%

Charger Solar : 3A - 60A (factory settable)

Mains : 6A/10A

Mode : Boost & Float

Peal Efficiency : >91% at nominal bty. volt at 25 deg.C

Protections : O/P short act., over load, Mains out of range, bty, over / under voltage, bty. reverse, PV reverse, bty, & PV termination reverse, inv. over temperature, system fault.



**Solar Inverter**

solar Power



G P Tronics  
Trusted Reliability  
Since 1978



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