

WOW

SU-KAM LAUNCHES
WORLD'S FIRST
SOLAR UPS


BRAINY
— SOLAR HYBRID UPS

TICK TICK TICK. THE TIME FOR RENEWABLE ENERGY SOURCE HAS ARRIVED.

Global energy consumption is rising at an alarming rate. As coal, gas and fossil fuel are burnt to meet the growing global demands, the need for alternate fuel sources have become a stark reality. Sustainable or renewable energy source is the call of the time and it is time to find a solution.

Solar energy is an alternative energy source that involves harnessing the radiant light & heat energy emitted by the sun and converting it into a more useful form of energy – electrical current by Solar Panels.

Sunlight is a clean, renewable source of energy. It is a sustainable resource, meaning it doesn't run out, the supply can be maintained.



PRESENTING THE WORLD'S FIRST INTELLIGENT SOLAR HYBRID UPS-BRAINY



Capacity 850VA/12V, Integrated SCC rating 15A
(Suitable up to 250Wp @ 16.4 Vm-17Vm, 225Wp @ 14.5-15Vm Solar panels)



THE FUTURE IS HERE

Brainy is a modern artificial intelligent machine with a contemporary look - a first in the power back- up industry which has been introduced by Su-Kam.

Brainy is the world's first hybrid home UPS to harness solar energy into electricity and use its artificial intelligence to maximize utilization of solar energy to power homes.

- Brainy can operate on both Solar Power as well as Grid Power.
- It is integrated with in-built Solar Charge Controller which enables the conversion of solar power to electricity.
- The intelligent machine - The UPS always gives preference to solar power while charging the battery.
- It senses the availability of solar power, grid power and gives charging preference to the solar power charge and only switches to the grid when the solar power is not available.
- It is designed to give you maximum benefit from the sun and minimize your electricity bill.
- In fact, the battery charging from the sun is highly efficient – more than 98%. The result? You get non-stop power, while you save money, save electricity and protect the environment.

Switch on the power of sun.

Su-Kam's Design No. - 230054



SU-KAM OFFERS YOU A COMPLETE PACKAGE

Solar PV Panel - Su-Kam Solar photovoltaic is well established and based on innovative renewable technology which converts sunlight directly into electricity with a solar panel. The power provided is pure direct current (DC) electricity. A clean and environmentally sound means of collecting solar energy.

A trolley named Brainy meets the aesthetics requirement of your home. Needs no screws. It's easy to install and dismantle with shock proof plastic body.

Battery - Su-Kam Power Bank series of Batteries are scientifically built for optimum performance, very long life, and high reliability. These are eminently suitable for a wide range of applications.

The battery that gives you peace of mind.

Solar PV Panel
80W



UPS



Battery



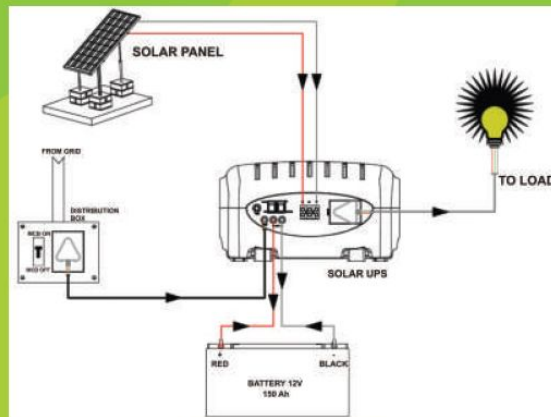
150Ah

Trolley





INSTALLATION DIAGRAM



BRAINY LOAD CHART

Solar UPS 850VA/12V

| Load | A | B | C | D | E |
|-------------|---|---|---|---|----|
| PC | 1 | | | | |
| TV | | | 1 | | |
| Tube light | 3 | 2 | 3 | 4 | |
| Fan | 3 | 2 | 3 | 4 | |
| Room Cooler | | 1 | | | |
| CFL | | | | 2 | 36 |



INTELLIGENCE

- Brainy's built-in 'Artificial Intelligence' thinks and chooses the solar power source to give your home a steady power supply.
- During day time, it intelligently uses solar power to simultaneously charge the battery and also run/share the load.
- Brainy's intelligence takes a leap ahead to protect your UPS system as well as your home appliances by automatically shutting down in case of a short circuit/high temperature/overload/battery low and gives visual and audio warning signals in events like overload, mains fuse blown, mains fail etc.



ECO FRIENDLY

- Brainy draws power from solar energy as first preference.
- Unlike conventional energy fuel, Solar PV Panel doesn't emit any gases or leaves any residuals, thus reducing global warming and contributing towards a greener environment.
- Due to extended battery life, the periodic process of battery replacement and disposing the dead battery is prolonged, hence reduction in environmental pollution.

PEAK POWER TARIFF

- With the Power Ministry set to introduce increased tariff on power usage during peak hours, it makes more sense to use 'Brainy' to power your homes through solar power.
- A user programmable intelligence allows the user to program the system to automatically switch over to solar power to power the load partially or completely during peak usage hours thus reducing power bills by a considerable amount.*(optional)

USER PROGRAMMABLE

Get connected to your computer through USB port to monitor & download the performance history.*(optional)

Su-Kam



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