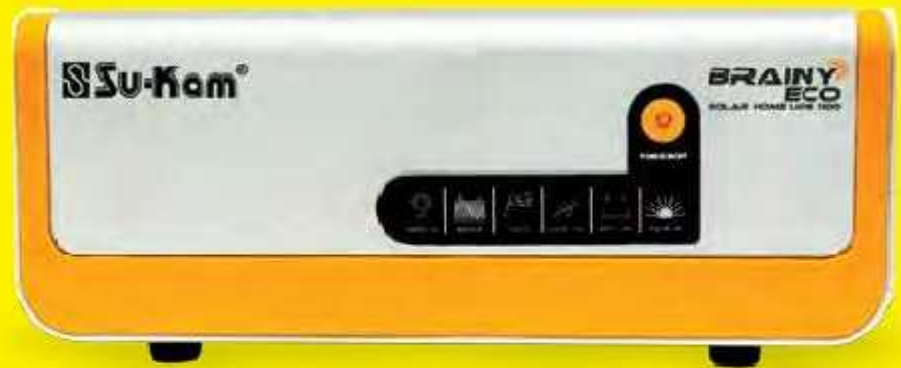


Su-Kam
Ek nayi roch

BRAINY
ECO
SOLAR HOME UPS 1100

Installation & Operation Manual
Model No. 1100



Patent Protected
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Design Registration No. 253380

BRAINY ECO

SOLAR HOME UPS 1100



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About Su-Kam

Su-Kam Power Systems Ltd. is India's largest power solutions company which has presence in 90 countries worldwide and holds a record for being the only company in this field to file for over 100 patents. It manufactures more than 200 products including various solar products, UPS, batteries & customized solar solution.

Founded in 1998, Su-Kam has grown exponentially to become an Indian MNC and a successful example of "Make in India", as it has offices worldwide and over 40,000 channel partners across the globe. The first Indian power solutions company to win the title of 'Superbrand', Su-Kam is counted among one of the fastest growing companies according to India Inc.



GLOBAL CERTIFICATIONS:

ISO 9001: 2008
ISO 14001: 2004

R&D
Recognized By
MINISTRY OF SCIENCE & TECHNOLOGY
GOVERNMENT OF INDIA

Before connecting, operating or adjusting this unit, please read this instruction booklet carefully.

Customer Care: 1800-102-4423 (Toll Free)

Superbrands
40000 Channel Partners



Make In India



Solar Solutions



UPS

Inverters

Batteries



Power Guard

Battery Charger

Battery Equalizers


Dear Customer,
Welcome to Su-Kam family.

Thank you for buying Brainy Eco Solar Home UPS to meet your power back up needs. The Brainy Eco is a power back up system based on the advanced 3i Technology; a product developed on the lines of "Ek Nayi Soch" that involves futuristic imagination, new-age innovation & digital intelligence.

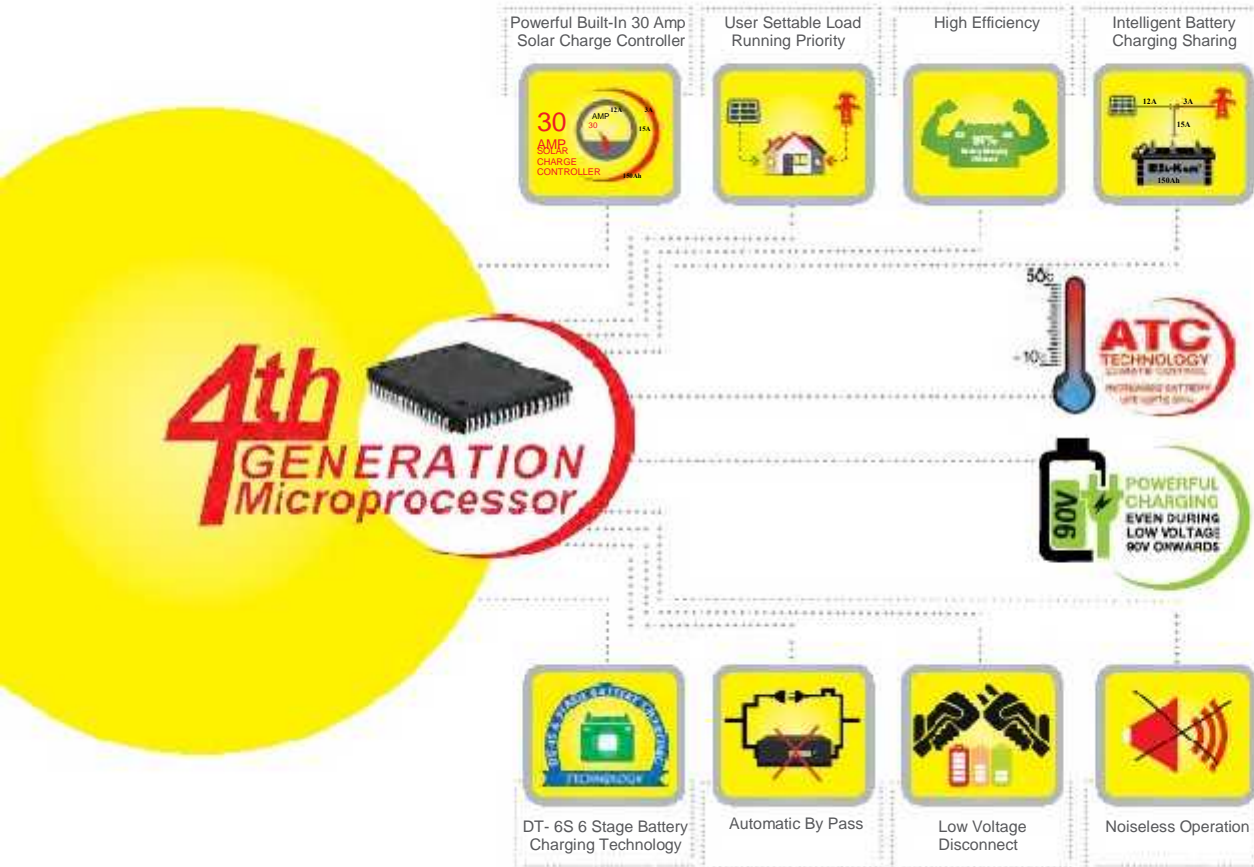
We appreciate the time you have spent on understanding the benefits of this unique product & we are sure you have made the right decision in buying the Su-Kam's Brainy Eco Solar Home UPS. We anticipate that you will be comforted with this innovative product's promise, its unique features, advantages & multiple benefits to best suit your seamless & uninterrupted power back up needs.

The cornerstone of Brainy Eco Solar Home UPS is Imagination, Innovation and Intelligence. The revolutionary product is our commitment towards bringing state-of-the-art power back-up solutions for your home, establishment & office needs. Founded on the principles of 4th Generation Micro Processor & DT-6S 6 Stage Battery Charger, Brainy Eco has without doubt the most impeccable reputation of being an intelligent product that offers you uninterrupted power back up as well as enables you to enhance your battery life & in turn assists in saving power consumption.

The purpose of this manual is to enable you to understand this revolutionary product, its functions, features, benefits and the convenience that it brings. For assistance, please contact our authorized dealer or write to us at info@su-kam.com. You can also visit our website www.su-kam.com for more information about our large range of power back up solutions.

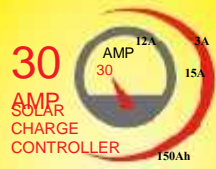
More power to you 
Su-Kam Power Systems Limited

Brainy Eco runs on the 4th generation microprocessor.
The unique salient features are:





Salient Features



**Powerful Built-In
30 Amp Solar
Charge Controller**

It has the strength to run Electrical Appliances and Charge the battery at the same time.



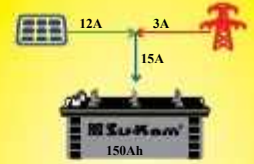
**User Settable
Grid/Solar Priority**

The user can select Grid Priority switch in High Power Cut conditions and Solar priority switch in Low Power cut conditions.



High Efficiency

Battery Charging is done through Solar. It has 98% battery charging efficiency. Thus, increases the battery life by atleast 6 months.



**Intelligent Charging
Sharing**

It charges the Battery First from Solar and then from Grid (Only if required).
If battery needs 15A and Solar is giving 12A, then it will take only 3A from Grid.



India's 1st Solar Home UPS with ATC (Automatic Temperature Compensation) Technology

It senses the outside temperature change & accordingly adjusts the charging of batteries.



Powerful charging even during very low voltage

Charges even at 90V, thus ideal for areas which have low voltage problems.



DT- 6S 6 Stage Battery Charging Technology

Su-Kam's 6 Stage battery Charging Technology gives you highest battery charging efficiency in the industry.



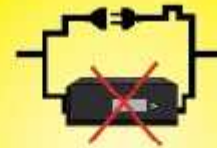
Low Voltage Disconnect

The customer can now easily switch between 10.5V and 11V. If the customer wants more battery life, then he/she can keep the low voltage cut at 11V.



4th Generation Micro Processor

The 4th generation microprocessor is the most advanced and latest technology in power solutions. It is small in size, efficient, has high speed processor and has the ability to multitask.



Automatic By Pass

If the UPS stops functioning due to UPS fault, the automatic by pass function automatically reconnects all the connected appliances to the main power source.

DO S & DON'TS

- Run and maintain Brainy Eco as per the instructions given in the operation/instructions manual.

- Ensure that an authorized person repairs your Brainy Eco.

- Call our local authorized dealer or toll-free number to dispose your Brainy Eco.

- Contact an authorized dealer in case of installation or de-installation.

- Consult our local authorized dealer or our toll-free number on the life span of Brainy Eco.



- Do not try to repair your Brainy Eco on your own.

- Do not sell or dispose your Brainy Eco or parts to an unauthorized kabbadiwala/scrap dealer/rag picker.

- Do not dismantle your Brainy Eco on your own.

- Do not get your Brainy Eco or any parts repaired by an unauthorized person.

- Do not dispose off the E-Waste in landfills.

- Do not use Brainy Eco as furniture after its use.



Knowing Your UPS

Brainy Eco Solar Home UPS is a solar hybrid system with Intelligent Charging Sharing Feature. The battery charges through both Solar and Grid by sharing the Charging Current.

In Charging Mode, Brainy Eco continuously monitors the state of Battery Voltage, Solar Power Output and the Load. When the Battery Voltage falls below a preset level, Brainy Eco transfers the load automatically to the Grid/DG Power and also Charges the Batteries through the Grid Charger. When the Batteries are charged to the preset level, the Grid/DG Power Supply automatically disconnects from the system and the load runs through Brainy Eco.

Solar Priority

Brainy Eco is designed to give priority to the Solar Power and uses Grid/DG Power only when the Solar Power/Battery Charge is Insufficient to meet the load requirements.

Powerful Built-In 30 Ampere Solar Charge Controller

The function of the In-built Solar Charge Controller is to charge the Battery Bank till it is charged to its full capacity and prevent the battery from getting overcharged.

Su-Kam's 30 Ampere Built-In Charge Controller charges the battery and runs the load at the same time. It is equipped with DT-6S 6 Stage Battery Charging Technology .It recharges the battery faster and more efficiently than the regular Chargers. Faster Recharging increase the performance of the system by storing more output from the Photovoltaic Panel array. The Charge Controller allows the maximum current generated in the PV Panel to flow through the battery bank. It further regulates the charging current to protect the battery bank from getting overcharged.



Features:

Over Current Protection

Charging Current from the Solar PV array is continuously monitored. If the Charging Current exceeds 32 Amperes, then Charge Controller stops further Charging. The Charge Controller restores the Charging Process after 3.5 minutes automatically.

Reverse Current Flow Protection

Solar Charge Controller blocks any flow of Current from the battery to Solar PV array during the night.

PV Panel Reverse Connection Protection

When PV Positive and negative wires are reversed at PV terminals then only LED glows at the back panel.

Solar Photovoltaic Array

Panel Range- (80W-500W)

Intelligent Battery Charging Sharing

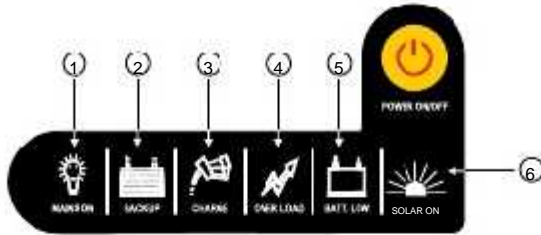
The maximum Battery Charging is done through Solar to reduce the Power used from the Grid, thus saving Money on Electricity Bills.

If Solar can provide 10 Ampere Charging Current, then Grid Charging Current will limit automatically at 5 Ampere. (Max. Battery Charging Current Value is 15 Amp-Solar/Solar+ Grid/Grid)

COMPLETE SYSTEM DETAILS*	
1. Brainy Eco Solar Home UPS	1100
2. Solar PV Panel	Optional 80W-500W
3. Battery (SMF/LA/Tubular)	45Ah - 300Ah
4. Battery Trolley (SMF/Tubular)	As provide by Su-kam
5. Wire for Solar Panel (Red & Black)	a) 25 sq. mm upto 10 meter length
	b) 35 sq. mm upto 15 meter length

*Specification subject to change without any prior Notice.

Front Panel View of Brainy-Eco



1. MAINS ON/MCB TRIP: This LED glows when mains available.
2. BACKUP: This LED glows when the system is on backup mode.
3. CHARGE: This graphical symbol will glow when the system is on charging mode. There are TWO colour LEDs GREEN and YELLOW.
4. OVERLOAD/SHORT CIRCUIT: This graphical symbol, when glows indicate that either Short circuit or overload has occurred.

5. BATTERY LOW: This graphical symbol glows when the Battery Voltage is Low.

6. SOLAR ON: This graphical symbol glows when the system is ON. There are TWO colour LEDs GREEN and YELLOW.

Grid Charging

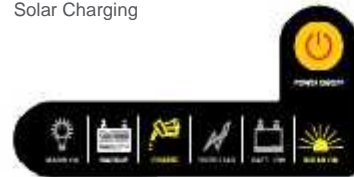


Mains ON:
Charge (Green):

Continous ON
ATC Connected - Grid charging with 30sec Normal blinking & 2Sec Fast blinking Green Color LED consecutively
ATC Not Connected - Grid charging with Normal blinking Green Color LED System is ON

Solar ON (Green):

Solar Charging



Backup (White):
Charge (Yellow):

Continous ON
ATC Connected - Solar charging with 30sec Normal blinking & 2Sec Fast blinking Yellow + Green color LED consecutively
ATC Not Connected - Solar charging with Normal blinking Yellow color LED System is ON. Solar Available.

Solar ON (Yellow):

Grid + Solar Charging

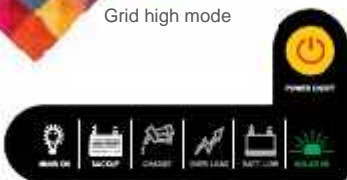


Mains ON:
Charge (Green+
Yellow):

Continous ON
ATC Connected - Grid + Solar charging with 30sec Normal blinking & 2Sec Fast blinking both color LEDs consecutively
ATC Not Connected - Grid + Solar charging with Normal blinking both color LEDs System is ON Solar Available

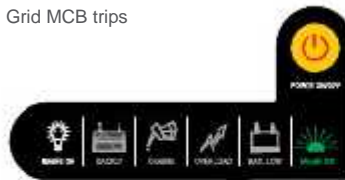
Solar ON (Yellow):

Grid high mode



Fast Blinking ON Continuous
 Mains ON:
 Backup (White):
 Solar ON (Green): System is ON
 Buzzer Beep: Every 2 Sec

Grid MCB trips



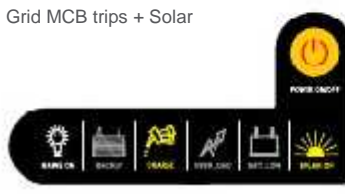
Mains ON:
 Normal Blinking
 Solar ON (Green): System is ON
 Buzzer Beep: After Trip

Grid high mode + Solar



Mains ON: Fast Blinking
 Backup (White): Continuous ON
 Charge (Yellow): ATC Connected- Solar charging with 30sec Normal blinking & 2Sec Fast blinking Yellow + Green color LED consecutively
 Solar ON (Yellow): ATC Not Connected - Solar charging with Normal blinking Yellow color LED
 System is ON
 Solar Available
 Buzzer Beep: Every 2 Sec

Grid MCB trips + Solar



Mains ON: Normal Blinking
 Charge (Yellow): ATC Connected- Solar charging with 30sec Normal blinking & 2Sec Fast blinking Yellow + Green color LED consecutively
 Solar ON (Yellow): ATC Not Connected - Solar charging with Normal blinking Yellow color LED
 System is ON
 Solar Available
 Buzzer Beep: After Trip

Grid Low mode



Mains ON: Slow Blinking
 Backup (White): Continuous ON
 Solar ON (Green): System is ON
 Buzzer Beep: Every 2 Sec

Low Battery



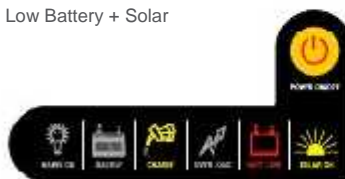
Battery Low (Red): Continuous ON
 Solar ON (Green): System is ON
 Buzzer Beep: After Trip

Grid Low mode + Solar



Mains ON: Slow Blinking
 Backup (White): Continuous ON
 Charge (Yellow): ATC Connected- Solar charging with 30sec Normal blinking & 2Sec Fast blinking Yellow + Green color LED consecutively
 Solar ON (Yellow): ATC Not Connected - Solar charging with Normal blinking Yellow color LED
 System is ON
 Solar Available
 Buzzer Beep: Every 2 Sec

Low Battery + Solar



Charge (Yellow): ATC Connected- Solar charging with 30sec Normal blinking & 2Sec Fast blinking Yellow + Green color LED consecutively
 ATC Not Connected - Solar charging with Normal blinking Yellow color LED
 Battery Low (Red): Continuous ON
 Solar ON (Yellow): System is ON
 Solar Available
 Buzzer Beep: After Trip

Battery Charged



Mains ON: Continuous ON
 Charge (Green): ATC Connected- Grid charged with 30sec Continuous ON & 2Sec Fast blinking Green Color LED consecutively
 ATC Not Connected - Grid charged Continuous ON Green Color LED
 Solar ON (Green): System is ON

Battery charged + Solar



Mains ON: Continuous ON
 Charge (Yellow): ATC Connected- Grid + Solar charged with 30sec Continuous ON & 2Sec Fast blinking Yellow + Green Color LED consecutively
 ATC Not Connected - Grid + Solar charged with Continuous ON Yellow Color LED
 Solar ON (Yellow): System is ON
 Solar Available

Overload / Short Circuit



Backup (White): Continuous ON
 Overload (Red): Continuous ON
 Solar ON (Green): System is ON
 Buzzer Beep: After Trip

Overload / Short Circuit + Solar



Backup (White): Continuous ON
 Charge (Yellow): ATC Connected- Grid + Solar charged with 30sec Continuous ON & 2Sec Fast blinking Yellow + Green Color LED consecutively
 ATC Not Connected - Grid + Solar charged with Continuous ON Yellow Color LED
 Overload (Red): Continuous ON
 Solar ON (Yellow): System is ON
 Solar Available
 Buzzer Beep: After Trip

PV Current High



In all Solar Modes as mentioned before.
 Solar ON (Yellow): System is ON
 Solar Available & Yellow color LED fast blinking

PV Voltage High



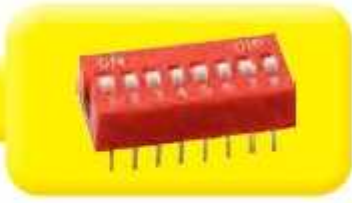
In all Solar Modes as mentioned before.
 Solar ON (Yellow): System is ON
 Solar Available & Yellow color LED slow blinking

PV Voltage Low



In all Solar Modes as mentioned before.
 Solar OFF: It turns off when PV voltage goes low

DIP Switch



BATTERY CAPACITY & SOLAR PANEL WATTAGE-1, 2



For battery capacity and solar panel selection, from the switch S1, S2, S3 by checking the table below.

BATTERY(AH)	PANEL(W)	SWITCH
45Ah-75Ah	80W-120W	S1
100Ah-135Ah	150W-250W	S2
150Ah -180Ah	300W-350W	S3
150Ah x 2*	400W-500W	S3

CAUTION: For 300W Solar Panel connect 1 battery of 150Ah. However, for 400W-500W Solar Panel connect 2 batteries of 150Ah/12V each in parallel connection.

LOAD SWITCH-8



BATTERY TYPE SWITCH-7



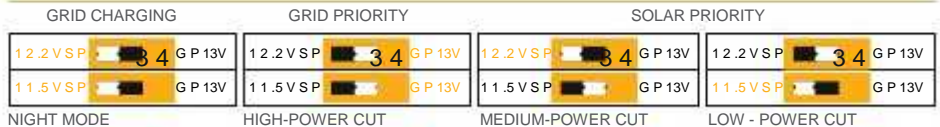
GRID CHARGING ENABLE/DISABLE SWITCH-6



BACKUP SWITCH-5



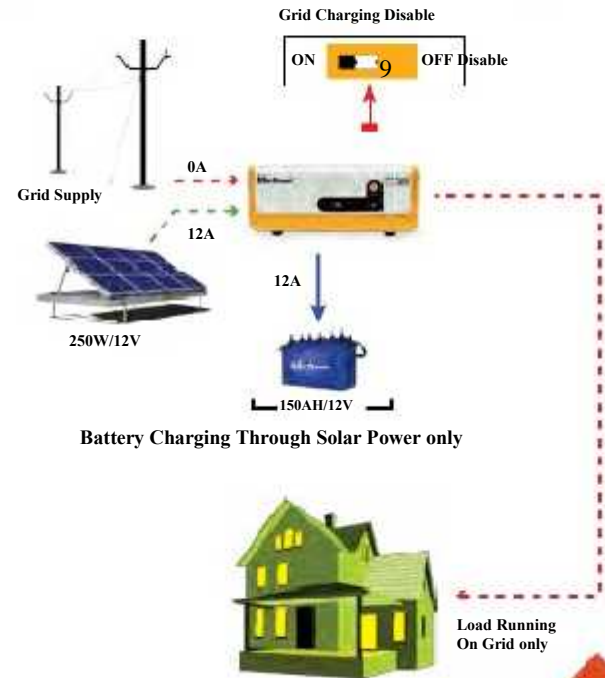
GRID/SOLAR PRIORITY SWITCH-3, 4



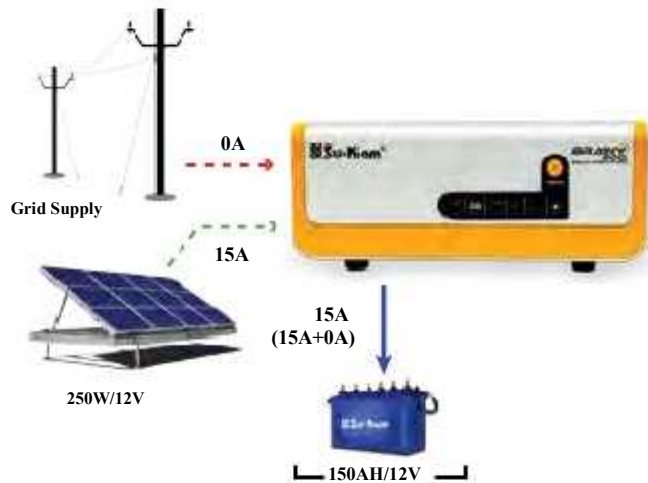
GRID CHARGING ENABLE/ DISABLE

Enable or Disable the Grid According to your needs

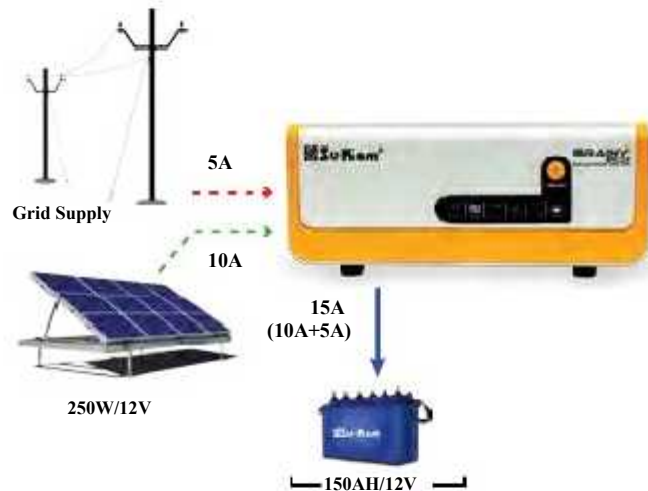
Save Money on Electricity Bills by Disabling the Grid Power and Charging the Battery by Solar



INTELLIGENT CHARGING SHARING



150Ah Battery requires 15Amp. Charging Current
 If Solar Panel provides 15Amp. Current, than BRAINY ECO doesn't take any Current from Grid to Charge the Battery.



150Ah Battery requires 15Amp. Charging Current
 If Solar Panel provides 10Amp. Current, than BRAINY ECO takes 5Amp. Current from Grid to Charge the Battery.

--- Grid Power
--- Solar Power
--- Solar + Grid Power

*The charging sharing takes place only when the current from the solar is below 15Amp.

Brainy Eco 1100

Panel Range: 80W to 500W



Charges Battery and
Runs Load Simultaneously



300AH/12V (Recommended)

Powerfull Enough to
Run 7 Computers*



*14 Inch TFT Monitor with Model 1100, Tested under ideal conditions for 7 computers.



Installation

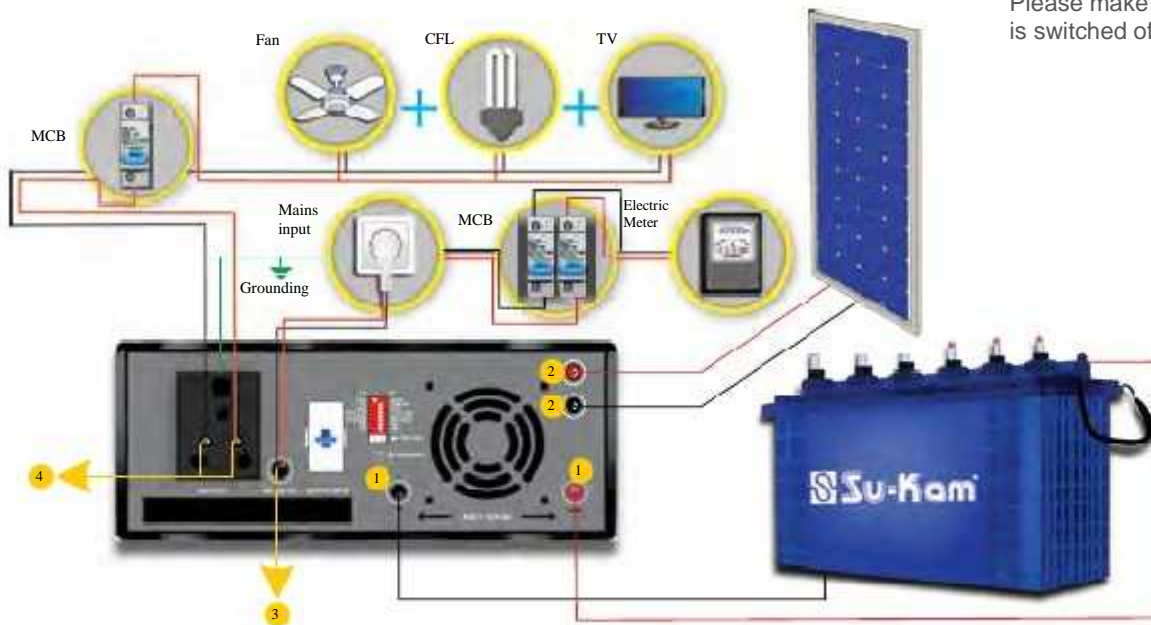
Step 1: Attach the battery

Step 2: Connect the Panel

Step 3: Connect to Input Mains

Step 4: Connect to Output

Please make sure that the system is switched off during installation.





Safety Notes

Before proceeding further, kindly go through the safety instructions carefully.

General Precautions:

- ▶ Before using the Solar Home UPS, read all instructions and cautionary markings on the Brainy Eco, the batteries & all appropriate sections of this instruction manual.
- ▶ not expose Brainy Eco to rain or liquids of any type. This product is designed for interior use only.Do
- ▶ not disassemble Brainy Eco on your own; take it to the Su-Kam Service center when service or repair is required.Do Disassembling of the product by unqualified personnel can cause electric shock or fire hazard & harm your Solar Home UPS.
- ▶ reduce risk of electric shock, disconnect all wiring before cleaning.To

WARNING Risk of Explosive Gases

WORKING IN THE VICINITY OF A LEAD ACID BATTERY MAYBE DANGEROUS. BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL OPERATION.

Provide ventilation to outdoors from the battery compartment.

The battery enclosure should be designed to prevent accumulation & concentration of hydrogen gas in "pockets" at the top of the compartment. Vent the battery compartment from the highest point. A sloped lid can also be used to direct the flow to the vent's opening location. To reduce the risk of battery explosion, follow all the instructions given by the battery supplier or any equipment you intend to use in the vicinity of the batteries.

- ▶ not cover Brainy Eco with any cover or cloth.Do
- ▶ not install Brainy Eco on or near any flammable material (plywood, chemicals, gasoline etc.)Do
- ▶ extra cautious when working with metal tools on and around batteries. It could short-circuit the batteries or otherBe electrical parts, producing a spark that could cause an explosion.





Important Safety Instructions / E-waste info

The output side of Brainy Eco should never be connected to a generator or incoming utility power. This condition is far worse than a short circuit. If the unit survives this condition, it will shut down until correction is made.

Note: Never disconnect the battery cables while The Solar Home UPS is delivering power or battery charger is operating. The Power Active Switch has no effect on the charger; it turns off only the power output during backup mode.

To disconnect the batteries for service:

- a) Turn-off the power switch b) Disconnect all AC power c) Disconnect all the battery cables

Special Notices:

- ▶ Do not switch-on heavy load appliances like TV, refrigerators, water pump, desert cooler etc. when Brainy Eco is running on battery backup. This may cause rebooting of your computer.
- ▶ Avoid connecting the stabilizer between utility power & Solar Home UPS. The AVR of stabilizer may cause your computer to reboot.
- ▶ We recommend that you have point to point wiring for the Solar Home UPS.

Grounding Instructions:

Brainy Eco must be connected to a grounded, permanent wiring system.



As per Government of India's E-Waste (Management and Handling) Rules, 2011 (effective from May 1st, 2012) the product purchased by you is to be considered as E - Waste and cannot be disposed off with your general household waste. It should be disposed of through the company's collection center so as to prevent any damage to environment.

Collection Center address

Plot No. 196-E Sector-37, Udyog Vihar, Phase-VI, Gurgaon-122 001, Haryana (INDIA)
Helpline No : 1800 - 102 - 4423 (Toll Free)
customercare@su-kam.com visit at: www.su-kam.com for details about collection Centers.



We request you to make a note of the management and handling e-waste details and support us in our endeavour to ensure an environmental friendly nation.



Trouble Shooting

SYMPTOMS	PROBLEM	RECTIFICATION
No output from UPS or load connected with UPS doesn't work while Mains Power Supply is present.	Internal Fault in the System	The customer needs to call the service center @ 1800-102-4423
UPS Trips Repeatedly	<ul style="list-style-type: none"> • Wiring Problem. • Load distribution is wrong. • Overload (4 Attempts). • Short Circuit (2 Attempts.) • Low Battery. 	Reduce the load and restart the Pure Sine Wave UPS through the power active switch. If it does not work call the service center @ 1800-102-4423 to check for wiring faults.
No output power	<ol style="list-style-type: none"> 1) Battery Low Shutdown. 2) Loose battery / appliance connection. 3) Short circuit Shutdown. 4) Overload Shutdown. 5) High Temperature Shutdown. 	For point (1): The customer should allow the battery to charge before using the backup.
		For points (2-5) Call our service center @ 1800-102-4423
Grid or DG Power is available and display is showing low battery but unit is operating in backup mode	Grid/DG supply is out of range and PV is insufficient to supply load current.	Wait till Grid supply or Sun availability.
Solar Home UPS does not operate	Bad Battery Bad PV/Bad grid supply/ Bad connections	Check the battery/Solar Home UPS connections and tghе incoming grid supply and connections.
Grid Power is coming. UPS shows Grid MCB trip on its LED panel.	MCB trip down at the back of the system.	The customer need to UP the MCB to start the system again.

Disclaimer: If the problem you are facing with Brainy Eco persists then please contact our Customer Care number for assistance.



Technical Specifications : Brainy Eco

Voltage Limits Narrow Window (UPS Mode)

Main A.C. Low Cut	185 ±10V
Main A.C. Low Cut Recovery	190 ±10V
Main A.C. High Cut	265 ±10V
Main A.C. High Cut Recovery	260 ±10V

AC Mains Mode

Grid Input Range	85±10AC - 290±10VAC
Grid charging current	5A,10A,15A (Selectable)
Charge End Voltage	Grid charging stop when battery reaches float charging 13.6V ± 0.2V and PV power will be δ 2V ± 1V watt after that transfer to backup mode.
Change over time W-UPS	Mains to W-UPS < 40 milliseconds
Change over time UPS	Mains to UPS < 15 milliseconds

Technology

Intelligent Charging Sharing
DT- 6S 6 Stage Battery Charging Technology
User Settable Load Running Priority
India's 1st Sinewave Solar Home UPS with ATC (Automatic Temperature Compensation) Technology

Backup Mode (Solar Power Available / Not Available)

Output Voltage Regulation (AC)	175V - 235V
Nominal Input voltage (DC)	12V
Battery Low Voltage warning	10.8V ± 0.2V / 11.2V ± 0.2V
Battery Low Voltage Cut	10.5V ± 0.2V / 11V ± 0.2V
Load Reconnects	14VDC ± /-0.2V
Short Circuit Protection	Retry 2 times & Permanent out put OFF
Over Load Protection	Retry 4 times & permanent out put OFF
Over Temp. Protection	>105°C ± 5°C

In-built Solar Charging

Maximum Input PV Voltage	25V Max. for 12V System
Charging Current Imax.	30 ± 2A (Max.)*
Protection	Over Current, Battery over Charge, PV Reverse Polarity, Reverse Current Flow
Automatic Charger Restart	3.5 Minutes
Solar Charge In-Built Controller to PV power connection time	< 10sec.
Display Type	LED Display

Voltage Limits Wide Window (W-UPS Mode)

Main A.C. Low cut	85 ±10V
Main A.C. Low cut Recovery	90 ±10V
Main A.C. High cut	290 ±10V
Main A.C. High cut Recovery	275 ±10V

Note : Specification subject to change without any prior Notice.
* Factory settable as per customer requirement.



Terms & Conditions of Warranty

- ▶ SU-KAM POWER SYSTEMS LIMITED warrant to the original purchaser provided the product is still in possession of & used by the original purchaser from the date of purchase.
- ▶ The warranty stands on all parts (except LED's, switches and external body) for Briany Eco and will be for a period of 24 months.
- ▶ The warranty will be automatically terminated on the expiry of the warranty period, even in case of Briany Eco not being in use in the specified period.
- ▶ This warranty is valid only if the authorized dealer duly signs it.
- ▶ Warranty in case of defect caused by household pets, rats, cockroaches or other animals or insects is invalid.
- ▶ The warranty is confirmed to the first purchaser only and is non transferable.
- ▶ The purchaser shall intimate any change of address to the concerned Authorized Service Center & warranty will be applicable only after the inspection of the unit & clearance of condition by Authorized Service Center personnel.
- ▶ The warranty will be invalidated if defects arising in company's opinion by reasons of accident, abuse, misuse, neglect, improper installation (if not undertaken by the company or its representative),

fire, flood, other acts of GOD, natural calamities and any other unauthorized repairs done or carried out will have to be borne by the purchaser. The problem of fuse blown will not be included in the warranty of the product. The services given for the same will be paid service.

- ▶ The company will not be held liable in any condition for any loss or injury or damage caused to life or property or death and disability caused to any form of life for any reason whatsoever.
- ▶ The warranty will not apply if the original seals are found broken or tampered with.
- ▶ Free service under the terms of warranty will be provided only by authorized representatives/ dealers of the company anywhere in India.
- ▶ The company expressly denies the right of any person to incur or assure for it any other liability or obligation in connection with the sale of Briany Eco.
- ▶ Claims if any, to this warranty shall be made only before courts having jurisdiction in New Delhi.
- ▶ Register your product or launch online complaints at www.su-kam.com for prompt after sales service.



Warranty Card

Model No. :

Serial No. :

Name of Purchaser :

Address :

Date of Purchase :

Dealer's Name :

DEALER
STAMP



MSTECHNOLOGIES

**Office: Plot No. : 64, HMT Hills Colony, Nearby Tulasi Nagar Community Hall,
Kukatpally, Hyderabad -72 Telangana. India Tel: +91-9010777780, 9603777780
E-mail: mstsaleshyd@gmail.com Website: www.mstechnologiesups.com**