APPLICATIONS

- Computer - Refrigerator - Air Conditioner(AC) - Fan - Tube Light - Television - Washing Machine - Microwave Oven - Room Cooler - Water Motor Pump - Projector - Home Theater - Scanner - Printer - Fax Machine - Video Camera - Cell Phone battery charger - Electric Chimney etc.

LOAD BACKUP CHART FOR 2.5KVA/48V UPS

29" T.V	FAN	TUBELIGHT	15W CFL (Energy Saver)	0.8 TON A.C / Room Heater	Computer	Air Cooler	REFRIGERATOR 220LTS	BACKUP TIME
				SUMMER				
1	2	2	2	1	-	-	-	4 Hours
1	2	-	4	-	-	1	1	6 Hours
1	2	1	4	-	1	-	1	10 Hours
1	2	2	8	-	-	1	1	7 Hours
-	1	-	4	1	-	-	-	6 Hours
-	3	-	4	-	1	-	1	11 Hours
				WINTER				
-	-	2	2	1	1	-	1	6 Hours
1	-	-	4	-	1	-	1	15 Hours
-	-	-	4	1	1	-	1	6 Hours
1	-	2	8	-	1	-	1	12 Hours

The Above Load Backup Chart is Calculated on Su-Kam's 200Ah SMF Battery.

LOAD BACKUP CHART FOR 3.5KVA/48V UPS

29" T.V	FAN	TUBELIGHT	15W CFL (Energy Saver)	1 TON A.C / Room Heater	Computer	Air Cooler	REFRIGERATOR 360LTS	BACKUP TIME
				SUMMER				
1	2	2	2	1	-	-	1	3.5 Hours
1	2	-	6	-	-	1	1	5.5 Hours
-	3	-	4	-	1	-	1	9.5 Hours
1	3	2	8	-	-	1	1	9.5 Hours
1	3	-	4	1	-	-	-	5.5 Hours
-	4	-	6	-	1	-	1	10 Hours
				WINTER				
-	-	2	2	1	1	-	1	5.5 Hours
1	-	-	4	-	1	-	1	14.5 Hours
-	-	-	4	1	1	-	1	5.5 Hours
2	-	2	12	-	1	-	1	10.5 Hours

The Above Load Backup Chart is Calculated on Su-Kam's 200Ah SMF Battery.

Battery Equaliser

Su-Kam highly recommends that you use Su-Kam's Battery equaliser with any Inverter/ UPS systems having 2 or more batteries in series. These equaliser will enhance your battery bank life & hence save you money by delaying the changing of your batteries. Also you get optimum life from your batteries.

SMF BATTERY

Su-Kam recommends Sealed Maintenance Free batteries. The safer alternative to the lead acid batteries as these do not emit harmful lead fumes. They do not require water topping either. Since they are maintenance free, you don't waste precious time to keep them in top condition.

RECOMMENDED INSTALLATIONS

1220Lx 880Hx 360W (in mm) | 1220Lx 440Hx 720W (in mm) | 610Lx 1780Hx 360W (in mm)

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04/10/CUPS/DSB/UK

Su-Kam
Ek nayi soch

Certifications
ISO 9001:2008
ISO 14001:2004
CE
R&D

Pure Sine Wave Commercial UPS

Fusion Series
2.5-3.5 KVA/48 V

PATENTED TECHNOLOGY

1 phase input - 1 phase output

Fusion Series

World's smallest Air Conditioner running Commercial UPS

LIVE LIFE NON-STOP.

Su-Kam
Ek nayi soch

Pure Sine Wave Commercial UPS

Fusion Series 2.5 - 3.5 KVA/48 V

Fusion series of Commercial UPS is the World's most advanced Commercial UPS as it is based on the most advanced DSP Sine Wave Technology. It provides steady source of 100% pure sine wave power to all the connected appliances. The power supplied by the Su-Kam's Fusion series of Commercial UPS is actually purer than the power supplied from the mains, a claim proud to this facts that even appliances with noisy working, humming sound as they do on normal UPS available in the market.

Today there is an increase in the use of expensive electronic equipments like Computer, Water Motor Pump, STD PCO monitor, Microwave Oven, Air Conditioner etc. Unfortunately during power cuts, most of these equipments can be used because an ordinary UPS cannot supply the right kind of power to such sophisticated equipments.

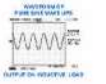
However, Su-Kam's Fusion series of Commercial UPS gives users the enormous advantage of being able to use all their most expensive & sensitive electronics appliances at all times.

DSP Based PWM technology using MOSFET

DSP is one of the most powerful technologies and is meant for high speed processing applications. This will help in saving loss of power which happens during the process of power generation by a normal CUPS, which in turn helps in reducing the electricity bills drastically.

Pure Sinewave Output

Pure Sine Wave is 100% clean, regulated, completely stable and distortion free power which is absolutely safe for running the sophisticated appliances without humming & irritating sound.



Instant Switchover

Incase of power failure, the process of switchover to the battery mode is of few milliseconds hence the power supplied to the connected appliances, like computer is not interrupted, as a result of which the system does not reboot. This feature also increases the life of your expensive and delicate appliances such as Plasma TV, Air Conditioner, Refrigerator etc as they get uninterrupted power supply at all times.

Protection for your Appliances

A feature which will automatically switch on to the Battery mode in case there is extreme high or low voltage supplied from the mains, hence protecting your valuable equipments, connected through the CUPS, from any kind of damage.

Constant Supply of Power

The voltage supplied by the CUPS during power failure will not differ with the increase or decrease in the load, hence delivering electricity consistently through CUPS. The voltage & frequency at the battery mode will be consistent and will not be affected by increase or decrease in the load for example - The consistency in the speed of the fan.

Fuzzy Logic Charging Technique

A unique patented technology that protects the battery, reduces frequency of water topping and enhances battery life by sensing the requirement of charging required by the battery.

Customized Charging Facility

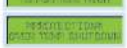
Special provision of a Dual charging system has been in built into the Su-Kam Fusion Commercial UPS wherein user can increase the speed of Charging of the batteries as per requirement. This feature is very useful in areas with high power cuts.

Battery Water topping Alarm

Intelligent reminder for Flooded lead acid batteries. You will not have to remember as to when to top up the batteries. The message will be displayed after every 3 months.

High Temperature Warning and Over Temperature Shutdown

Abnormal increase in the System's temperature can be harmful for the CUPS, the increase in the temperature can be because of increase in the ambience temperature/faulty installation. Incase of excess heating, system displays warning and shuts down automatically, thus increasing the life of the system. The system automatically resets itself after it regains it's normal temperature.



Power Fail duration on the LCD

Gives clear indication of the time duration from the time CUPS is on, which in turn helps you to plan your consumption of electricity and it gives you an information about your battery life.

Bypass Feature

Incase of maintenance of the battery/failure of CUPS or during the servicing of the CUPS, the customer himself can directly switch to the Mains by a simple twist of a switch, and will not need any electrician to remove any wires from the CUPS.

Overload Management System

Incase of overload the CUPS issues a warning to the user by switching "off" and "on" the power to the running appliances, the system gives the user chance to manage and identify the overload. Once the load is reduced the CUPS automatically resumes its services and saves customer from physically going to the CUPS and resetting it.

Auto Self Test

A personal Doctor for your CUPS, which will do regular self diagnostic tests and debug if required. It will keep a regular track of the health of the CUPS, hence increasing the efficiency and life of the system.

Inbuilt Multimeter for displaying Input Voltage, Frequency & Battery Voltage.

Checks the quality/condition of power for input voltage and input frequency & the battery health and displays on the screen.

LCD Panel for Battery & Load Level indications

The LCD screen helps the user to manage the load and control the backup time. The LCD screen indicates the load level & battery level. It also helps in calculating the total life of the battery connected, by showing the total hours of backup generated by the batteries.

User friendly indications

The LCD screen and the alarm act as communication medium between the user and the system to provide comprehensive information about the condition of the system. User friendly indications on the LCD screen helps the user to manage the system with ease & comfort.

Wide UPS Mode/UPS Mode

There is a switch at the back which allows you to select UPS mode or W-UPS mode. In UPS mode the input power supply range is limited so you can use this mode to run your computer only. While in W-UPS mode the range of input power supply is wide so this mode will allow you to run heavy appliances like Air Conditioner, Refrigerator etc.

Generator compatible

Su-Kam Fusion series Commercial UPS is capable of charging on any kind of generator, as it can withstand the uneven power supplied by the generator and convert it into healthy power source. Also it helps you to consume the rectified power of the generator to charge batteries, which helps in extending the life of the batteries and thus saving money.

Fuel Cell & Solar Energy compatible

A technological marvel with compatibility to the solar panels, fusion helps in generating uninterrupted supply of power, produced by converting solar energy into electricity, which in turn will benefit the customer by reducing the electricity bill of the customer.

Fault Detection

The system is intelligent enough to diagnose the faults and display it on the LCD panel with suggestive remedies, which helps the user to understand the nature of the problem and correct it on his own. For example Mains MCB trip, Short circuit etc.