

NO NOISE.
NO DIESEL.
NO FUMES.
EVERYTHING
YOU WANTED
IN A GENERATOR,
NOW IN A
UPS.
EVEN RUNS AN AC.

24 Months
Warranty



Fusion
Series

Su-Kam
Ek nayi soch

Pure Sine Wave UPS 2.5-3.5 KVA/48 V



Su-Kam Fusion Series UPS is the World's most advanced UPS that works on DSP Sine Wave Technology. It is equipped to provide 100% pure sine wave power to multiple heavy duty appliances simultaneously. The power supplied by Su-Kam Fusion Series UPS is actually purer than the power supplied from the mains, resulting in a noise-free home & office.

Given the fact that there has been a steady increase in the use of electronic equipments like Computer, Water Motor Pump, STD/PCO monitor, Microwave Oven, Air Conditioner etc. over the years, every residential and commercial unit needs an uninterrupted power back-up source. An ordinary UPS is not equipped with the power to support and run multiple appliances that draw enormous energy from source.

Su-Kam Fusion Series UPS, however allows you to run a multitude of appliances without a break so you lead life without hassles.

Fuzzy Logic Control Patented Charging Technology



Su-Kam UPS now comes with this **Patent Technology** that protects the battery from malfunction, reduces frequency of water topping and auto detects the need to charge battery, thus enhancing battery life.

It increases the battery life manifold which allows it to support your electrical appliances for longer periods of time without any interruption. This feature is rarely found in regular UPS which often requires more maintenance and frequent charging. Fusion series has come up with auto-sensing technology so the battery does not give you attention related issues.

LCD Display Panel for Battery & Load Level Indications



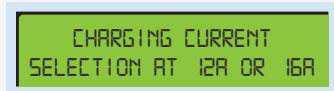
The LCD screen helps the user to manage the load and control the back-up time by indicating the load being powered by the system and the status of the battery. It also helps in calculating the total hours of back-up expected to be generated by the batteries.

Su-Kam UPS comes with a smart LCD Display which displays the message in case of emergency and never fails to catch attention. LCD Display is primarily designed to be user friendly as it displays the complete message and tells the user what needs to be done making its use convenient and hassle-free.

Customized Charging Facility



Su-Kam UPS takes the lowest time to charge batteries. In areas where power cuts are more frequent, the customer will enjoy the back-up time for longer duration. In this UPS there is a flexibility of using higher capacity batteries.



Bypass Feature

During those situations when the battery needs maintenance or the UPS goes out of order/needs service, the user can switch to mains with just a turn of a knob. As a result the mains power supply will power the load, so that user can run their appliances without any stoppage.





DSP Based PWM technology using MOSFET



Su-Kam Fusion series incorporates Digital Signal Processor (DSP) Technology, this is the world's most advanced technology for High speed processing applications. It is unmatched in reliability and ensures very low running costs, thereby guaranteeing good returns due to energy saving. Since it provides 100% Pure Sine Wave output, it guarantees full safety of highly sophisticated equipments.

DSP SINE WAVE
COMMERCIAL UPS

MOSFET TEST
O.K.

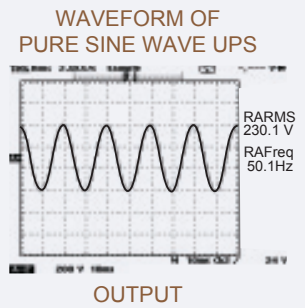
Instant Switchover

In case of power failure, the process of switchover to the battery mode takes only a few milliseconds which facilitates uninterrupted power supply to the connected appliances such as computers, as a result of which there is no rebooting and data loss. This also helps in increasing the life of appliances such as Plasma TV, Air Conditioner, Refrigerator etc. by supplying them with uninterrupted power at all times.



Pure Sine Wave Output

Pure Sine Wave is 100% clean, regulated and completely stable and distortion free power which is absolutely safe for running sophisticated appliances without producing a humming and irritating sound, thus creating a pleasing ambience.



Wide UPS Mode/UPS Mode

There is a switch at the back of the UPS which allows you to select UPS mode or W-UPS mode. In UPS mode the input power supply range is limited so it can only be used to run a computer, while in W-UPS mode the range of input power supply is wide which allows you to run multiple heavy appliances like Air Conditioner, Refrigerator, Geyser, Heater etc.



Battery Water Topping Alarm



With Su-Kam UPS, you don't have to remember when to top up the battery as it gets reminders in case the batteries are flooded and need help. The message is displayed after every 6 months so even if you forget the time for top up, you are sure to get a reminder.

ROUTINE REMINDER
PL. CHECK BATTERY WATER
LEVEL & RESTART INVERTER

Generator Compatible

Su-Kam Fusion Series UPS is compatible with generator, as it can easily withstand the uneven power supplied by the generator and convert it into steady power. Also it helps you to consume the unutilized power produced by a generator to charge batteries, which helps in extending the life of the batteries and thus saving money.

This feature comes as a great help in industrial units, workplaces and office spaces where too many systems run simultaneously and during power cuts they need an immediate back-up plan that helps them avoid rebooting.



Auto Self Test

Su-Kam UPS is equipped with an added feature where it can do regular self diagnostic tests and de-bug if required. It keeps track of its performance and automatically detects a problem, if there is any which helps in enhancing the system efficiency.

This feature helps you more likely in times when it requires maintenance and repair and adapts quickly to changes in the ambient temperature without putting you through unnecessary tasks.

SELF TEST
IN PROGRESS ...

SELF TEST:
PASS



Fault Detection

The system is well equipped to diagnose faults and errors and displays it on the LCD panel with suggestive remedies, which helps the user to identify the source of the problem and handle it quickly and reduce the probability of breakdown for example Mains MCB trip or Short circuit.

* PROTECTION *
MAINS MCB TRIP

REMEDY
SWITCH ON MCB

AT BACK PANEL &
RESET THE SWITCH.

Power Fail duration on the LCD



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

POWER CUT TIME
06:15:27

Overload Management System



In case of overload the Su-Kam Fusion Series resets itself automatically to turn on again. The system will retry 8 times to run the existing load. Moreover, the sound of repeated beep alarm gives the user adequate time to reduce the load without having to shut down the system. So, the user will not have to go to the UPS to reset. In case the load is still not reduced, the system will shut down automatically to save you from any losses.

ATTENTION
LOAD > 100%

High Temperature Warning and Over Temperature Shutdown



Abnormal increase in the system's temperature can be harmful for the UPS, the increase in the temperature can be because of increase in the ambient temperature/faulty installation. In case of excess heating, system displays warning and shuts down automatically, thus increasing the life of the system. The system automatically restarts itself after it regains its normal temperature.

ATTENTION
TEMPERATURE HIGH

PROTECTION
OVER TEMP SHUTDOWN

Protection for your Appliances



Its superior HCLC (High Cut/Low Cut) Technology provides complete and Constant protection to your appliances in case of any irregularities and Disturbances in the grid supply, like short circuits, high voltage, low voltage and overload. This way expensive and sensitive equipments such as TVs, home theatres, satellite dishes, computers, printers, copiers and fax machines are protected from damages.

MAINS LOW CUT
UPS ON

MAINS HIGH CUT
UPS ON

RECOMMENDED ADD-ON PRODUCTS



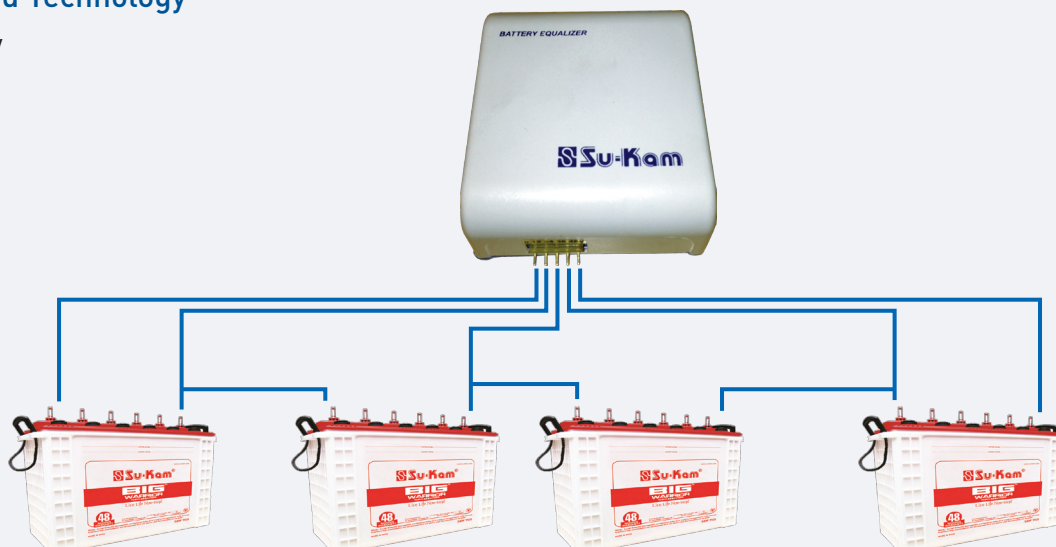
Battery Equalizer

Advanced Micro-Processor Based Equalizers to extend your battery life.

Equalizer is particularly applied in Battery bank (12V / 2V systems) where two or more batteries are connected in series. When batteries of different State Of Charge (SOC) are connected in series, there are chances that weaker battery becoming very weak & stronger battery being overcharged. This leads to the reduction in no. of cycles of the overall string of the batteries placed with respect to the original cycle life of the batteries supposed to give. Equalizer prevents this adverse effect of batteries going faulty when connected in series and thereby increasing the optimum cyclic life of the battery string.

Patented Technology

24V - 48V



Tubular Battery

Live Life Non-Stop

Su-Kam Tubular Batteries are rugged designs and can be used for high end applications like in Inverter/UPS that support heavy loads. One of the many advantages of a Su-Kam Tubular Battery is the promise of long life. One can expect one such battery to run for upto 10 years, provided that right maintenance procedures are followed.

Su-Kam Tubular Batteries are designed to conveniently operate in areas with rough weather and environmental conditions. Besides, these batteries are useful for applications in areas where ambient temperature range is common.

A significant advantage of a Su-Kam Tubular Battery is its ability to charge at a fast rate. This is one useful characteristic that makes these batteries highly recommended for applications that require high productivity.



25AH - 180AH

Lead Acid Battery

The battery that gives you peace of mind

Su-Kam Lead Acid Battery is designed using advanced US technology for deep cycling capabilities & longer life. It gives you higher reliability, greater protection against leakage and corrosion due to heat shield tamper-proof lid.

It has excellent charge acceptance and having larger electrolyte volume which reduces frequency of water topping.



100AH - 200AH

Power Guard System

An Intelligent Alternative to Stabilizer

If power fluctuation bothers your everyday chores, affecting you and your life, then 'Power-Doc' - gives you a sigh of relief. It welcomes you to freedom from power instability. Driven by Microprocessor Chip Technology, Power-Doc increases efficiency and acts as an insurance against power fluctuation that could damage electrical appliances & electronic devices.

The functionality of Power-Doc is to detect and protect electrical appliances & electronic devices against high voltage, low voltage, surges, spikes and frequency variations. Power-Doc enables stabilized voltage supply to the connected electrical appliance & electronic device, increasing its longevity and minimizing the risk of damage.

Power-Doc is embedded with unique advanced features like Zero Voltage Switching (ZVS), Zero Power Consumption (ZPC) and Voltage Cut-Off Display (VCD). These advanced and basic functions are controlled by a Microprocessor Chip and On-Screen Display (OSD) Technology.



6AMP & 16AMP

Water Topping Kit

Su-Kam Battery Water Topping System an easy and convenient way of battery water topping. Installing this kit will not only make the water topping a smooth process but also aid in enhancing battery life and saving labour cost, making it an easy task. A properly watered battery lasts longer and performs better.

Manually watering the battery is a difficult task, removing each vent plug to fill in electrolyte. It may also lead to acid spillage if not filled to the proper level making the task messy. Proper topping of batteries is important or else the battery life deteriorates.

Su-Kam launches the new watering filling system which is known as Water Topping Kit which is simple to install and convenient to use. Water Topping Kit makes this task easy, clean, accurate and safe. It simplifies the primary battery maintenance task, which makes it more likely that you will take care of this important job on a regular basis.

Su-Kam Water Topping Kit is a good choice in many cases i.e. it gives you the economy and conventionality of a flooded battery with very easy maintenance.



Trolleys

Su-Kam comes with a choice of great looking trolleys. These modular trolleys meet the aesthetic requirements of homes and offices while at the same time provides ease of operation. They also keep flooring spotless from any accidental acid spillage from the battery.





APPLICATIONS

Su-Kam Fusion Series UPS can support the following list of equipments

- Computer
- Refrigerator
- Air Conditioner (AC)
- Fan
- Tubelight
- Television
- Drilling Machine
- Heater
- OTG
- Deep Freezers
- Dentist Chair
- Washing Machine
- Microwave Oven
- Room Cooler
- Water Motor Pump
- Projector
- Home Theatre
- Scanner
- Printer
- Fax Machine
- Video Camera
- Cell Phone battery charger
- Security Systems
- Electric Chimney and many more.

SERVICE NETWORK

Service with a smile

At Su-Kam, we are totally committed to customer service and believe in quick response and fast service. We stand by the concept of complete customer satisfaction.

With a team of highly qualified engineers and technicians, we are dedicated to providing onsite service. Su-Kam has over 100 fully equipped technical repairing centers across the country and the number is still increasing.



Pan India presence for proximity service is available for after-sale support through:

- 24X7 Call Center Service
- 900+ Qualified Engineers & Technicians all across the country
- Onsite service by Su-Kam engineers (Su-Buddy)
- 100+ service centers with Fully equipped Technical Repairing Centers
- 6 Master Testing Repair Center
- 1 Mother Testing Repair Center
- More than 100 Service vans across the country
- Pick and Drop facility for the product available*



LOAD BACKUP CHART FOR 2.5KVA/48V UPS

	29" TV	FAN	TUBELIGHT	15W CFL (Energy Saver)	0.75 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	3	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 LA Battery.

LOAD BACKUP CHART FOR 3.5KVA/48V UPS

	29" TV	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	2	2	8	-	-	1	1	6.5 Hours
	1	2	-	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 LA Battery.

Certifications

ISO 9001:2008 ISO 14001:2004

R&D
Recognised
by
MINISTRY OF SCIENCE & TECHNOLOGY
GOVERNMENT OF INDIA

RECOMMENDED INSTALLATIONS



1220L x 880H x 360 W (in mm)

1220L x 440H x 720W (in mm)

610L x 1760H x 360 W (in mm)



Ek nayi soch

The genesis of Su-Kam began as an entrepreneur's dream to make a difference in the world of UPS. And this difference was powered by technology, research and innovation. Today, in less than two decades, Su-Kam is India's most admired, world-class power solutions provider with a growing presence across India and over 70 countries worldwide...a feat made possible by a professional and dedicated team of over 2200 employees and spread across 33 offices globally.

The core expertise of Su-Kam lies in delivering some of the most technologically advanced products in the market with a creative blend of design and innovation. After a rigorous R&D exercise, about 160 products take shape in 7 state-of-the-art manufacturing facilities certified under international quality parameters for health, safety, environment and technology.

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