

Back up time of Falcon i, Falcon i ² 800VA/12VDC			
Load	Backup Time With 135Ah Battery	Backup Time With 165Ah Battery	Backup Time With 200Ah Battery
1 Fan + 1 Tube Light	11.1 Hrs	14.3 Hrs	17.8 Hrs
1 Fan + 1 Tube Light + 2 CFL (Energy Saver)	9.2 Hrs	12 Hrs	15 Hrs
2 fan + 1 Tube Light + 2 CFL	6 Hrs	7.7 Hrs	9.6 Hrs
2 fan (48mm Ceiling Fan 3 blades, 1000-2000mm sweep) + 2 Tube Light (48W)	5.1 Hrs	6.5 Hrs	8.1Hrs
1 fan + 2 Tube Light + 1 TV (21")	5.1 Hrs	6.5 Hrs	8.1 Hrs
2 fan + 2 Tube Light + 2 CFL	4.6 Hrs	6 Hrs	7.5 Hrs
1 fan + 2 Tube Light + 1 Computer	4 Hrs	5.2 Hrs	6.5 Hrs
2 Fan + 2 Tube Light + 1 TV (21")	4 Hrs	5 Hrs	6.25 Hrs
2 fan + 1 Tube Light + 2 CFL + 1 Computer	3.5 Hrs	4.6 Hrs	5.75 Hrs
2 fan + 4 Tube Light	3.4 Hrs	4.3 Hrs	5.37 Hrs
3 fan + 3 Tube Light	3.2 Hrs	4.1 Hrs	5.1 Hrs
3 fan + 3 Tube Light + 1 TV (21")	2.6 Hrs	3.3 Hrs	4.1 Hrs

Back up time of Smiley i, Smiley i ² 1400VA/12VDC			
Load	Backup Time With 135Ah Battery	Backup Time With 165Ah Battery	Backup Time with 200Ah Battery
2 Fan + 2 Tube Light	11.5 Hrs	15 Hrs	18.75 Hrs
2 Fan + 2 Tube Light + 4 CFL (Energy Saver)	9.6 Hrs	12.4 Hrs	15.5 Hrs
2 Fan(48mm Ceiling Fan 3 blades, 1000-2000mm sweep) + 4 Tube Light (48W)	7.5 Hrs	9.7 Hrs	12.12 Hrs
4 fan + 2 Tube Light	7.1 Hrs	9.2 Hrs	11.5 Hrs
4 fan + 2 Tube Light + 4 CFL	6.1 Hrs	8.0 Hrs	10 Hrs
2 fan + 6 Tube Light	5.5 Hrs	7.2 Hrs	9 Hrs
4 fan + 4 Tube Light	5.3 Hrs	6.8 Hrs	8.5 Hrs
2 fan + 4 Tube Light + 2 TV (21")	5.3 Hrs	6.8 Hrs	8.5 Hrs
3 fan + 3 Tube Light + 4 CFL + 1 Computer	4.8 Hrs	6.1 Hrs	7.62 Hrs
4 Fan + 4 Tube Light + 2 TV (21")	4.1 Hrs	5.2 Hrs	6.5 Hrs
5 fan + 3 Tube Light + 4 CFL + 1 Computer	3.6 Hrs	4.8 Hrs	6 Hrs
5 fan + 5 Tube Light + 1 Computer	3.3 Hrs	4.3 Hrs	5.37 Hrs

No addition to the load should be made when Computer is running on battery mode.
 Note: Indicative values only, actual calculation depends on manufacturer's specification.

OUR ACCOLADES



Su-Kam is the first and only company in power back-up to be honoured by the Superbrand Council for being one of the strongest corporate brands in the country.



"Sectoral Award-Non SSI (Consumer Electronics)" 2006-07 in recognition of highest export in the field of Electronics & IT awarded by Electronics & Computer Software Promotion Council, Govt of India.



"National Award for Quality Product 2006" for manufacturing Inverters of outstanding Quality by Ministry of Micro, Small & Medium Enterprises, Govt. of India, with cash prize Rs. 1 Lac.



Innovation for India Award 2008, for breakthrough innovations and out-of-the-box thinking in the business and social sections. The Award is instituted by the Marico Award Foundation to fuel innovation in India.



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Pure Sine Wave Home UPS

Range Available from 600VA to 1400VA

Recommended Battery 100Ah-200Ah

Sturdy 600VA/12V

Smiley-i 1400VA/24V

Optimum Two-in-One Solution

Falcon-i 800VA/12V

Falcon-i² 800VA/12V

Smiley-i² 1400VA/24V

LIVE LIFE NON-STOP.



Pure Sine Wave Home UPS

Su-Kam’s Pure Sine Wave Home UPS Systems are a truly futuristic concept. These two-in-one products completely eliminate the need to have separate power back-up systems for your home appliances as well as your computer. Traditionally, there are two separate power back-up system i.e. UPS Systems for computers and Inverters for other household appliances. With the increasing number of households having a computer, it became an absolute necessity to have a single product providing power back-up to Computers as well as other household appliances. It also provide pure sine wave power to all connected equipments.



Sturdy 600VA/12V



Falcon-i 800VA/12V



Falcon-i² 800VA/12V



Smiley-i 1400VA/24V



Smiley-i² 1400VA/24V

Salient Features

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 mili seconds 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 TV, DVD player, Microwaves, Satellite, Set Top Box etc as they get uninterrupted power supply at all times.

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.

Overload Protection with Auto reset

In case of overload, the inverter 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 inverter automatically resumes its services and saves customer from physically going to the inverter and restarting it.

Short-circuit Protection

To protect the system from a situation of short-circuit, which might happen because of any malfunction in the connected appliances or due to excessive overload, Su-Kam Home UPS cuts the power supply from the battery and issues overload warning through the alarm & LED display to the user. This feature safe guards and increases the life of the inverter and the battery attached.

SMPS

During the process of charging, the power supplied through the normal inverter to charge the battery is of inferior quality, which leads to the overheating & also affects the life of the battery attached, but with SMPS technology Su-Kam Home UPS supply constant distortion free and pure power to the Battery. This helps in fast charging, saving electricity and increasing the life of the battery by whopping 50%.

Battery Deep Discharge Protection

Sukam Home UPS system increases the life of the battery by saving it from excess discharge. It senses & retains a small percentage of the power inside the battery attached at all times. The system helps the Battery to retain the basic charge required for efficient and long life

Intelligent Thermal Management

The micro controller senses the temperature inside the system and controls heat dispenser fan to save the system from the situation of overheat. The fan inside Su-Kam HUPS runs only when required thus saving money by saving electricity and wear & tear of the fan motor. As the required temperature is maintained, the system can work efficiently for longer period of time.

Fast Charging Option

Su-Kam Home UPS can charge its battery 40% faster, which helps the product to works really efficiently and give much longer power backup as compared to normal UPS in areas with frequent power cuts.

Salient Features

Solar Energy compatible

A technological marvel with compatibility to the solar panels, Su-kam Home UPS 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.

Standalone UPS for Single Computer

The product can specifically be used by small Business houses or people working from home who want to work uninterruptedly on their computers only, to secure longer backup.

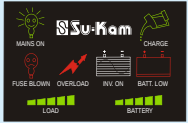
User Friendly Graphical Display

User friendly Graphical Display alerts help the user to manage the system with ease & comfort.

User Friendly Graphical Display of Alerts in Sturdy 600VA, Falcon i 800V Smiley i 1400VA



User Friendly Graphical LCD Display of Alerts in Falcon i² 800VA, Smiley i² 1400VA



APPLICATIONS

- Computers • Televisions • Refrigerator • Room Cooler • Tube Light • Fans • CFL

Load Charts

Backup time of Sturdy 600 VA/12VDC			
Load	Backup Time with 100 AH Battery	Backup Time with 135 AH Battery	Backup Time with 165 AH Battery
1 fan + 1 Tube Light	7.2 Hrs	11.1 Hrs	14.3 Hrs
1 Fan + 1 Tube Light + 2 CFL(Energy Saver)	6 Hrs	9.2 Hrs	12 Hrs
2 Fans + 1 Tube Light + 2 CFL	3.9 Hrs	6 Hrs	7.7 Hrs
2 Fans (48mm Ceiling Fan 3 Blades, 1000-2000 mm sweep) + 2 Tube Light(28 W)	3.3 Hrs	5.1 Hrs	6.5 Hrs
1 Fan + 2 Tubelights + 1 TV (21")	3.3 Hrs	5.1 Hrs	6.5 Hrs
2 Fans + 2 Tubelights+ 2 CFL	3 Hrs	4.6 Hrs	6 Hrs
2 Fans + 2 Tubelights+ 1 Computer	2.6 Hrs	4 Hrs	5.2 Hrs
2 Fan + 2 Tube Lights + 1 TV (21")	2.6 Hrs	4 Hrs	5 Hrs