

MADE IN INDIA

LUMENVOLT®

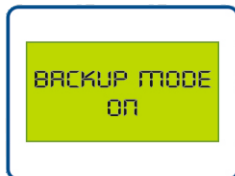
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Falcon

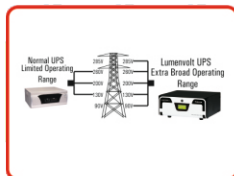
PURE SINE WAVE UPS



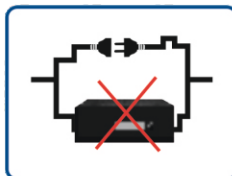
Features.:



LCD DISPLAY



POWERFUL CHARGING EVEN DURING VERY LOW VOLTAGE



ENJOY UNINTERRUPTED POWER BACK UP IF UPS FAILS



ZERO SWITCHOVER TIME BEST FOR IT EQUIPMENTS



All Generator Compatible

550VA/12V | 750VA/12V | 900VA/12V | 1100VA/12V | 1700VA/12V | 1700VA/24V

Features

LCD DISPLAY

Mains Mode



Mains Voltage



Battery Level & Voltage

Backup Mode



Load Percentage



Battery Voltage

Alerts and Warning



Mains Fuse Blown / MCB Tripped



Battery Low Warning



Overload Warning

ALL GENERATORS COMPATIBLE

Falcon series can charge batteries with power provided by all kinds of generators local or company made. Wide window of frequency range between 42-65Hz makes Falcon totally compatible with all local generators.



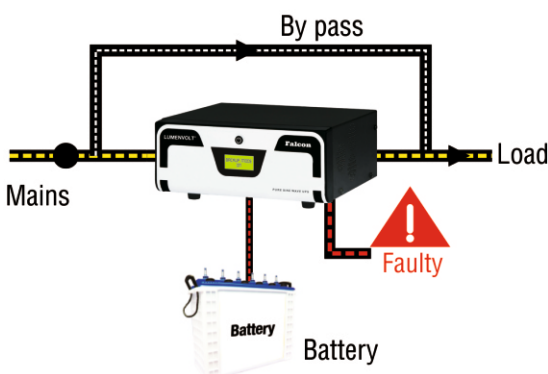
ZERO SWITCH OVER TIME BEST FOR ALL IT EQUIPMENTS

Zero Switch over time from mains mode to battery mode, perfect for running all sensitive equipments like printer, router, server, computer and modem etc.



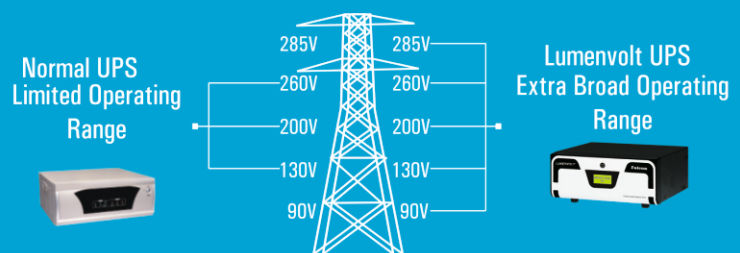
This feature provides uninterrupted power which helps in running all IT equipments continuously.

ENJOY UNINTERRUPTED POWER SUPPLY EVEN WHEN UPS FAILS



AUTOMATIC BYPASS : If the inverter / UPS fails, the load will drop automatically on the mains / grid power (if available at the time). Due to the automatic bypass switch this insures continuous power.

POWERFUL CHARGING ON LOW VOLTAGE



Typically, the UPS batteries require minimum 130 volt for Charging.

Falcon can charge the battery with voltage as low as 90 volt also.

Most effective solution for remote places where the electricity voltage is not good.

TECHNICAL SPECIFICATIONS

MODEL	550VA/12V	750VA/12V	900VA/12V	1100VA/12V	1700VA/12V	1650VA/24V
Rated Input	220V;50Hz;1Φ					
Rated Output	200V-220V;50Hz;1Φ					
Load in Watt (Bulb Load)	0.8PF					

VOLTAGE LIMITS NARROW WINDOW (UPS MODE)

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

VOLTAGE LIMITS WIDE WINDOW (W-UPS MODE)

Mains A.C. Low Cut	85 ± 10V					
Mains A.C. Low Cut Recovery	90 ± 10V					
Mains A.C. High Cut	290 ± 10V					
Mains A.C. High Cut Recovery	275 ± 10V					

OUTPUT PARAMETER

Mains Output	Same as Input (45Hz-55Hz)					
Output Frequency	50.0 Hz. ± 0.1 Hz					
Output Voltage with Full Load	200V/220V ± 15V					
Waveform	Sine Wave					
Overload	Above 100%					
Short Circuit Protection	>200% Load (Few msec)					

BATTERY CHARGING

FLC based SMPS charging with soft start over full range of mains	85V to 290V ± 10V					
Battery type	SMF/TUBULAR/Flooded LEAD ACID					
Charging Current	15A					
Recommended Battery Capacity	100AH-200AH					
Number of Batteries	1			2		

TECHNOLOGY

Digital Signal Processor based state-of-the-art technology using MOSFETs						
Fuzzy Logic Control Technology						

ENVIRONMENT

Storage Temp.	0-50°C					
Operating Temp.	0-40°C					
Humidity	90% Non-condensing					
Dimension (W X D X H) in mm	279 x 267 x 125			407 x 304 x 172		
Weight Net (Kg)	6.7 Kg	7.8 Kg	8.0 Kg	8.2 Kg	13.5 Kg	14.0 Kg

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Luminent Power

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