

**MADE IN INDIA**

**LUMENVOLT®**

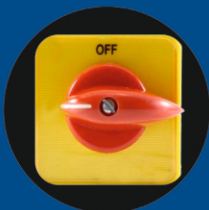
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# VOLT+

**PURE SINE WAVE UPS**



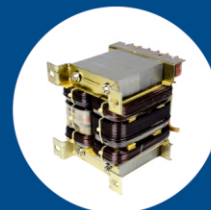
## Features



**BYPASS FEATURE**



**ALL GENERATORS  
COMPATIBLE**



**TRUE GALVANIC  
ISOLATION**

**2.5kVA/24V | 4kVA/48V | 5kVA/48V**

# Features

## BYPASS FEATURE

Incase of maintenance of the battery/failure of Volt + series or during the servicing of the UPS, 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 UPS.



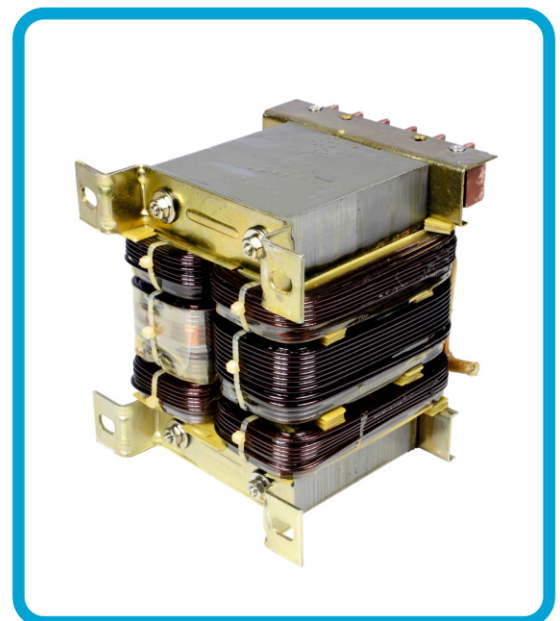
## ALL GENERATORS COMPATIBLE

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



## TRUE GALVANIC ISOLATION

True Galvanic Isolation : Fundamental Frequency transformer is used for low frequency isolation at the grid side. It provides safety to equipment against power surges & transients.



# TECHNICAL SPECIFICATIONS

MODEL FUSION SERIES	2.5kVA/24V	4kVA/48V	5kVA/48V
Rated Input	220V;50Hz;1Φ	220V;50Hz;1Φ	220V;50Hz;1Φ
Rated Output	200V-220V;50Hz;1Φ	200V-220V;50Hz;1Φ	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	12A / 16A	5A / 10A / 15A / 25A	
Recommended Battery Capacity	100Ah-200Ah	100Ah-250Ah	
Number of Batteries	2	4	

## 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	245 x 395 x 355		350 x 620 x 325
Weight Net (Kg)	22.9 Kg	30.8Kg	47.2Kg

Note : Specifications are subject to change without any prior notice.

# LUMENVOLT®

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**Luminent Power**

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