

Specifications

3000

Capacity (VA / Watts) : 3 Kva/3500 Watts

Input

AC Input Normal : 230 VAC, + 15%, - 20%, 50 Hz $\pm$ 6%, 1 $\emptyset$ 415 VAC, + 15%, - 20%, 50 Hz $\pm$ 6%, 3 $\emptyset$

Filtering / Protection : EMI/RFI, Surges, Noise and Spikes

Power factor : 0.6 to 0.8

Battery Voltage (VDC) : 48/172 72 114/180 114/180 180 180/360 180/360 360 360 360 360 360 360

Output / Inverter

Voltage : 230 VAC 1 $\emptyset$ $\pm$ 5%

Frequency : 50 Hz $\pm$ 0.5 Hz/60 Hz Against Request

Over Load : 150% for 30 seconds, 120% for 5 minutes

Power Factor : 0.7 lagging to unity

Crest Factor : 3:1

Efficiency : >90% for DCV 144 to 360 VDC, >85% for DCV 48 to 144 VDC

Transient Recovery : < 20 ms

Protection : Over Load, Short Circuit, Battery Low

Wave Form : PWM Sine Wave , Distortion < 3 to 5%

Controls and Indicators

Controls : UPS Start, UPS Stop, Reset, Load on Bypass

Indicators : Mains On, Mains Fail, Inverter On, DC Low, DC OV, Output UV, Over Load

1 Kva : No Meter

Meters 2 to 5 Kva : Output Voltage or Current

10 to 45 Kva : Micro Controller and LCD based Multi-function meter

Mains Fail, Battery Low, Battery High,

Alarms Output High, Output Low and Over Load

Environmental

Ambient Temperature : 0 to 50°C

Audible Noise : Less than dBA AT 1.5 meters

Humidity : 0 to 90% non condensing

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Mechanical

Colour : Siemens Grey / Dark Grey

Input / Output : Terminals to connect Battery, Input AC and Output AC

Output Receptacles : Terminals to take out connecting leads

Cooling : Forced Air

Accessories and Options

- Manual Bypass (Standard) with Mains-Off-UPS Modes.
- Static Bypass (Optional) to transfer the load to a slave UPS or an alternative power source under abnormal fault conditions.
- Microcontroller/LCD Display (Optional) based metering to show AC Input Voltage, Current, Frequency, DC Voltage, Current, Output Voltage, Current and Frequency
- Communication interface to show the status of UPS on a PC (Standard)

Features

Total Continuous Protection

100% clean AC sinewave power to your computers and networks, regardless of blackouts, surges, noise and spikes on utility mains.

Exceptional Reliability and Ruggedness

5th Generation Mosfets / IGBTs for exceptional reliability.

User Friendly controls, Indicators & Software

User friendly with extensive status information in its front panel.

The Rs. 232 kit for IBM/Compatible PC, when installed shows Mains and battery status on the PC.

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