

MUPS-300

Medical Grade UPS

NEW



Features

- Energy savings for eHealthcare/Medical Applications
- Short circuit and overload protection
- Replaceable battery
- UL60601-1/EN60601-1, CE & FCC Class B certified
- Optional battery backup package

Introduction

The MUPS-300 is a medical grade UPS. This medical device is UL60601-1/EN60601-1 approved. The low-current-leakage of this UPS enables it act as an ideal and secure short-term backup power solution for patients and hospital practitioners.

The MUPS-300 offers two-way AC outputs. One is a bypass and the other is the UPS backup function. The power to bypass slots are provided from direct AC power. Power to UPS backup slots are from battery. The MUPS-300 could offer backup power during unexpected loss of power and ensures medical equipment can be safely operated and shut down.

Specially designed to protect against power surges and voltage spikes from the AC source, the MUPS-300 protects equipment and patients from dangerous electrical events. There is a LED on the MUPS-300 to indicate MUPS-300 is running in charge mode or battery mode. The LED will also blink faster when the backup power is starting to run out. The MUPS-300 offers free software to let users manage power status, which is convenient for medical professionals to control power management quickly and easily.

Specifications

- **Dimensions (W x H x D)** 100 x 315 x 68 mm (3.9" x 12.4" x 2.7")
- **Weight** 1.9 Kg (4.2 lb)

Output

- **Capacity** 300 VA
- **No. of sockets** UPS x 3, Bypass x 3(MUPS-300A), UPS x 2, Bypass x 1(MUPS-300D/U)
- **Voltage(on battery)** Simulated sine wave at 100 V/110 V/115 V/220 V/ 230 V/240 V +/- 5%
- **Frequency (on battery)** 50 or 60 Hz +/- 0.3 Hz
- **Transfer Time** 2/4 milliseconds, including detection time

Input

- **Voltage(single phase)** 120V +/-15% at line input
220V +/-25% at line input
- **Frequency** 50 or 60 Hz +/- 10% (auto sensing)

Protection

- **Unit Input** Circuit breaker or fuse for overload & short circuit protection

Overload Protection

- **AC Mode** If load exceeds 100% of nominal, Buzzer continues beeping sound.
- **Backup Mode** UPS automatic shutdown. If overload exceeds 110% of nominal at 1 sec.
- **Short Circuit** UPS output cuts off immediately
- **Spike Protection** 480 Joules, 2 ms

Interface

- **Dry Contact** Sends battery low & power failure signals, and receives shutdown signal from computer.
- **RS-232** Detect battery low, Schedule UPS on/off, AC input/output power status display.

Alarms

- **Battery Back-up** Slow beeping sound every 4 seconds
- **Battery Low** Rapid beeping sound every second
- **Charge Abnormal** Rapid beeping sound every second
- **Overload** Continue beeping sound

Battery

- **Type** Sealed, maintenance-free lead acid batteries, with 3-6 years typical lifetime
- **Typical Recharge Time (to 90% of full capacity)** 4 hours

Environmental Specifications

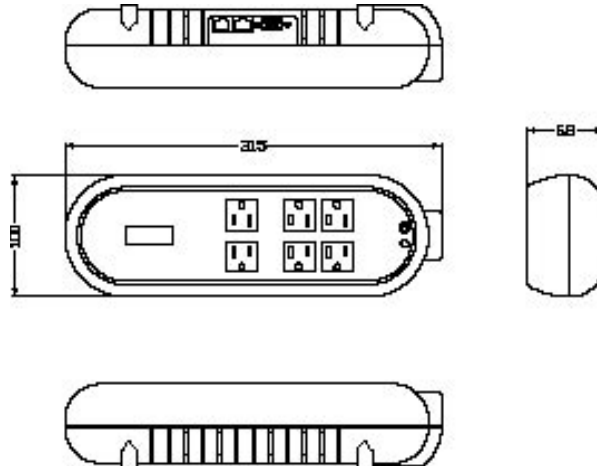
- **Operating Temperature** 0 ~ 40° C (32 ~ 113° F)
- **Relative humidity** 10 ~ 95% @ 40° C non-condensing
- **Certifications** CE, FCC, VCCI, BSMI approved
- **Safety** FCC, UL60601-1, EN60601-1, UL60950, EN60950 approved

Ordering Information

- **MUPS-300A** Medical UPS 110 VAC, 300 VA, U.S.A sockets
- **MUPS-300D** Medical UPS 220 VAC, 300VA, Germany sockets
- **MUPS-300U** Medical UPS 220 VAC, 300VA, U.S.A sockets
- **MUPS-300 Battery** MUPS-300 Battery Long WP-4.5-2L1

Dimensions

Unit: mm



1
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