

Uninterruptible Power System (UPS)

LOCATION

The UPS (uninterruptible power system) control panel is located in the clean utility room and provide temporary system back-up power in the event of a power failure. Batteries for the UPS are located in the #5 belly box roadside.

All outlets that are UPS system-protected are labeled inside the critical panel box located in the electrical area of the Soiled Utility Room.

NOTE: Refer to the labels on the door of critical panel box to determine which outlets are UPS system-protected.

START-UP PROCEDURE

CAUTION!

C13. UPS Battery Pack

The UPS battery pack is meant to supply short term back-up power to allow uninterrupted completion of work-in-progress in case of a power failure. Use of the UPS system for any purpose other than emergency power may result in damage to the UPS system. Refer to the UPS System Operator's Manual. The UPS battery pack can pose an electric shock hazard if used improperly.

1. The UPS is located in the Soiled Utility Room above the countertop. It is a black box with the name "Tripp Lite" on it. The transformer is located in the Clean Utility Room inside the first cabinet door located below the sink. To start the unit begin at the UPS switch and then proceed to the transformer. Please use the following procedure:

NOTE: UPS batteries are located in the #5 roadside belly box. No maintenance is required on the batteries. If they are not holding load, they must be replaced.

NOTE: Please refer to the OEM manual in the Appendix section of this manual, Book 1 of 3; Section 5.

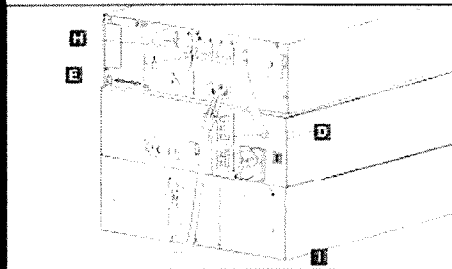
(Please refer to the illustration on the next page)

2. In order to accomplish start-up, please follow the instructions as stated in #2 of the following illustration.

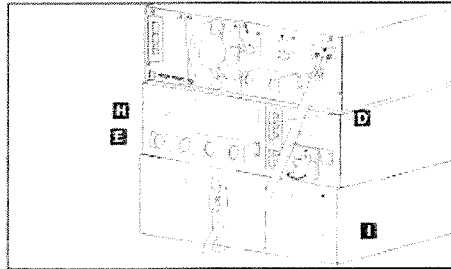
Power ON/OFF

- 1. Configure your UPS's input and output:** Put your UPS power module into setup mode by holding down both of its scroll buttons **(A)** and **(B)** at once. Scroll through the setup options (using **(A)** or **(B)**) and select the appropriate setting for each of the following options using the "SELECT" button **(E)**.

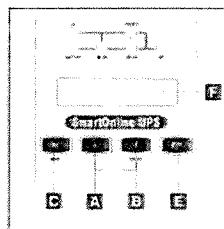
 - **Input & Output Voltage:** Select 200, 208 or 240 VAC.
 - **Output Frequency:** Your UPS will autoselect 50 or 60 Hz to match the input.
 - **Economy Mode:** Your UPS can provide on-line operation with zero transfer time. It can also operate in a more energy-efficient line-interactive mode. Select Economy On to put the UPS in line-interactive mode. Select Economy Off to put the UPS in on-line mode.
 - After you have set these options, "exit" the setup mode with the scroll button **(A)**, then exit bypass mode by holding the ON button **(C)** down until you hear a beep.
- 2. Turn input to the UPS ON:** If the UPS power module is connected to a transformer module, turn the transformer module's AC-to-UPS and Output Circuit Breakers **(D)** on. Turn the UPS power module's Input Circuit Breaker **(E)** on. Press the UPS power module's ON button **(C)** until you hear a beep to begin inverter operation. If your AC input is not providing power normally, you may "cold start" your UPS from battery. (Your battery must be at least partially charged for this operation to succeed.) Press and hold the "ON" **(C)** button until you hear a beep to start your UPS in ON BATTERY mode. Note that some electronic equipment may draw more amps during startup; when starting from battery, consider reducing the initial load on the UPS. Your UPS will perform a brief self-test and show the results on the LCD Display **(F)**. See "Startup Self-Test" in the "Operation" section for the display sequence.
- 3. Turn UPS output ON:** Turn the UPS power module's Output Circuit Breaker **(D)** ON. If the UPS is connected to a transformer module, turn the transformer module's Manual Bypass Switch **(I)** from BYPASS to NORMAL, and its Output Circuit Breaker ON. Your UPS will now provide power to connected equipment.
- 4. To turn the UPS power module and transformer module OFF:** Press the UPS power module's OFF button **(E)** until you hear a beep. Your load will still be energized. The inverter is now off, but your UPS is not fully deactivated. The LCD Display **(F)** will show BYPASS MODE. If the UPS is connected to a transformer module, turn the transformer module's power AC-to-UPS and Output Circuit Breakers **(D)** OFF. Your load will no longer be energized, and the LCD Display **(F)** will be dark.



6kVA Models



10kVA Models



6kVA & 10kVA Models
(Front Panel)

24

SHUTDOWN PROCEDURE

CAUTION!

C13. UPS Battery Pack

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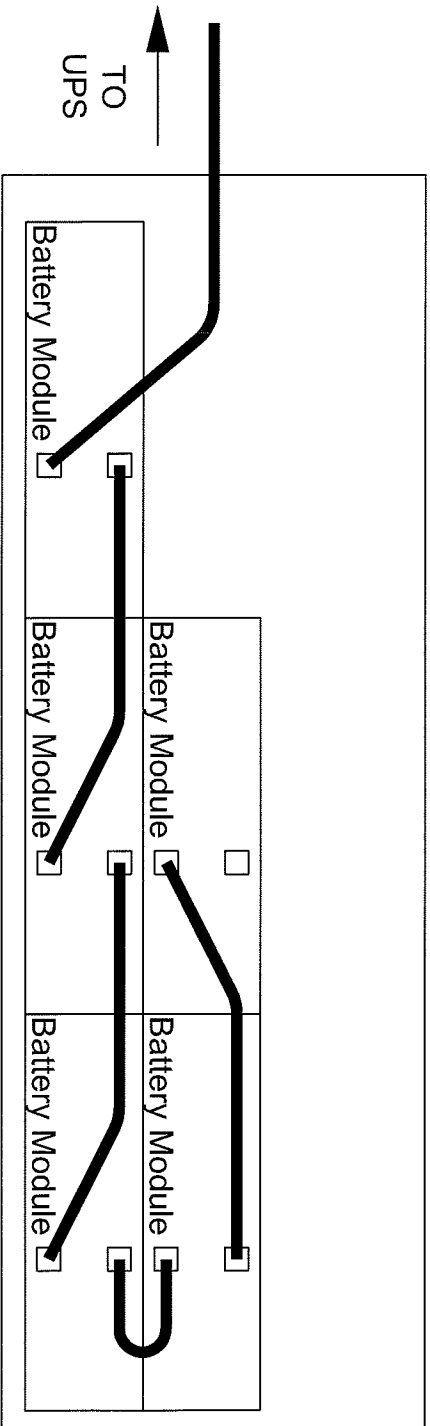
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NOTE: Please refer to the OEM manual in the Appendix Section of this manual, Book 1 of 3; Section 5.

(Please refer to the illustration on the previous page)

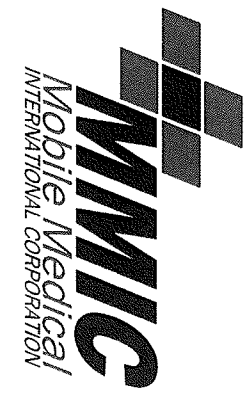
2. In order to accomplish shutdown, please follow the instructions as stated in #4 of the above illustration.



Roadside Belly Box #5

UPS Battery Layout - 1018

| | |
|------------------------|-----------------|
| RELEASE LEVEL: PROD | REVISION: A |
| DRAWN BY: JRM | CHANGED BY: TLG |
| DATE DRAWN: 11/10/2009 | SHEET: 1 OF 1 |
| PLATFORM: COM53 | MMU TYPE: MSU |



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