Powerware 3105 UPS

USER'S MANUAL

The Powerware 3105 uninterruptible power system (UPS) protects your sensitive electronic equipment from problems such as power failures, power surges, power surges, and line noise.

Features:
- Eight outlets
- Four with surge and battery backup protection
- Four with surge protection only
- Data Line (Internet/cotmodemDSL) or telephone line surge protection jacks
- Cold Start capability
- User-replaceable batteries
- Built-in USB communication port
- Compact design fits on/under your desk; can also be mounted to a wall
- Convenient transformer block spacing

SAFETY INSTRUCTIONS

Once you have received the Powerware 3105 UPS product, you should remove and inspect the product for shipping damage. If any damage is found, please notify the carrier and your dealer. Keep the shipping carton and all packing material. They contain information and components necessary for the installation and operation of the UPS.

1. Place the Powerware 3105 UPS indoors in an area that has adequate airflow and is free of excess heat. Do not allow the UPS to be exposed to moisture, rain, excessive heat, or direct sunlight.

2. Use of the Powerware 3105 UPS product in the support applications, where failure of this equipment can reasonably be expected to cause failure of life support equipment or to significantly affect its safety or effectiveness is discouraged. The UPS is not intended for use with equipment of the following types:
- Equipment or circuits powered by life support equipment
- Equipment or circuits powered by medical laser systems
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3. Battery replacement procedure:
- Disconnect/discharge the battery.
- Remove the battery.
- Connect the new battery.
- Reconnect the battery.

4. Proper disposal of the battery is required. Please refer to your local waste management regulations regarding battery disposal.

5. Do NOT open or mutilate the battery. They contain an electrolyte that is toxic and harmful to the skin and eyes.

6. When replacing the battery, use the same number and type of battery as the original battery. Powerware recommends the following replacement battery:
- 300VA model (12V-7AH battery)
- 500VA model (12V-9AH battery)

7. Proper disposal of the battery is required. Please refer to your local waste management regulations regarding battery disposal.

BATTERY CONNECTION REQUIRED BEFORE USE!

Connecting the Battery:

1. When the "On/Off" LED light is illuminated, turn off the connected equipment.

2. With your equipment turned off, switch on the UPS.

3. Press the push button-switch to turn on the UPS.

4. Battery Backup & Surge Protection Outlets
- Connect your peripheral equipment or non-critical loads (printer, scanner, fax, speaker, etc.) into the "Surge Protection" outlets. These outlets provide surge and spike protection only; they do NOT provide battery backup power during a utility power failure.

5. Connect your computer to the UPS using USB cable provided.

6. With your equipment turned off, switch on the UPS.

7. When the "On/Off" LED light is illuminated, turn on the connected equipment.

8. Install Power management software provided with the UPS.

INDICATORS

1. On/Off Push Button Switch
- One switch controls the power to your equipment. Upon power turn on, unit performs a self-test.

2. Battery Backup & Surge Protection Outlets
- Four 5-15R output receptacles that provide battery backup and surge protection.
- Four 5-15R output receptacles that provide surge and spike protection.

3. Data Line/Phone/Fax Protection Connectors
- RJ11/RJ45

4. Battery Backup & Surge Protection Outlets
- Two with surge protection only, they will NOT provide battery backup power during a utility power failure.

5. Data Line (Internet/cotmodemDSL) or telephone line surge protection jacks

6. Circuit Breaker (resetable)
The button protrudes when an overload condition occurs. If the button is pushed, the overload condition is cleared.

7. USB Communication Port

8. Circuit Breaker (resetable)
The button protrudes when an overload condition occurs. If the button is pushed, the overload condition is cleared.

9. Power Cord

BATTERY REPLACEMENT PROCEDURE:

1. Disconnect UPS system from power source.

2. Open battery door.

3. Disconnect used battery. Connect new battery. (It is important that connectors be firmly attached to new batteries.)

4. Close battery door

5. Property recycle used battery.

6. When the "On/Off" LED light is illuminated, turn on the connected equipment.

CAUTION: Do NOT plug LASER PRINTERS into the "Battery Backup" outlets.

CAUTION: Do NOT plug ACCESSORY surge strips into the "Battery Backup" outlets.
LED & Alarm Status Table

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Green LED</th>
<th>Red LED</th>
<th>Buzzer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Fault</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Over Load</td>
<td>Blink 2</td>
<td>Blink 2</td>
<td>B4</td>
</tr>
<tr>
<td>Cut Battery</td>
<td>Blink 2</td>
<td>Blink 2</td>
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<tr>
<td>Off Battery</td>
<td>Blink 2</td>
<td>Blink 2</td>
<td>B5</td>
</tr>
<tr>
<td>Utility Mode</td>
<td>Blink X</td>
<td>Blink X</td>
<td>X</td>
</tr>
<tr>
<td>Charge Off</td>
<td>ON</td>
<td></td>
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LED status indicators:

- **Blink**: Indicates a temporary condition.
- **ON**: Indicates a permanent condition.
- **OFF**: Indicates a condition that is not present.

UPS does not provide extended run time. The battery has been depleted during an extended power outage. Allow the UPS to recharge the battery for at least 8 hours. During this charging period, turn off the UPS to prevent unnecessary discharging.

**Possible Cause**:
- The UPS is overloaded.
- The battery is not fully charged.

**Action to Take**:
- Reduce the load by unplugging unnecessary equipment.
- Disconnect the power at the wall outlet.

**Possible Cause**:
- The battery is not fully charged.

**Action to Take**:
- Connect the battery (see Connect Battery & Surge Protection on page 26) and ensure power is available at the wall outlet.

**Possible Cause**:
- The UPS has exhausted its available run time.

**Action to Take**:
- Try reducing the load by unplugging unnecessary equipment.
- Reduce the amount of equipment plugged into the outlets of the UPS.
- Try turning off equipment at a time in order to avoid overloading.

**Possible Cause**:
- The battery has been disconnected from an external power source.

**Action to Take**:
- Ensure the equipment is re-connected to the surge protection on page 26.

**Possible Cause**:
- The UPS has exhausted its available run time.

**Action to Take**:
- Connect the battery (see Connect Battery & Surge Protection on page 26) and ensure power is available at the wall outlet.
- Disconnect the power at the wall outlet.
- Try reducing the load by unplugging unnecessary equipment.

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