

## Dalton 2000VA/5-100A UPS

# Dalton 2000VA Uninterruptible Power Supply User Manual

Model: 2000VA/5-100A UPS

## 1. INTRODUCTION

Thank you for choosing the Dalton 2000VA Uninterruptible Power Supply (UPS). This device is designed to provide reliable power backup and protection for your electronic equipment against power outages, surges, and fluctuations. Please read this manual thoroughly before installation and operation to ensure optimal performance and safety.

## 2. IMPORTANT SAFETY INSTRUCTIONS

Always follow these basic safety precautions to reduce the risk of fire, electric shock, and injury:

- Do not open the UPS casing. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.
- Do not use the UPS in environments with excessive dust, humidity, or extreme temperatures.
- Ensure the UPS is connected to a grounded power outlet.
- Do not connect non-computer related items like medical equipment, life support equipment, or household appliances to the UPS.
- Position the UPS in a well-ventilated area, away from direct sunlight or heat sources.
- In case of emergency, press the power button to turn off the UPS and disconnect it from the AC power source.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Dalton 2000VA UPS Unit
- Power Cord
- USB Communication Cable (if applicable)
- User Manual (this document)



Figure 3.1: Front view of the Dalton 2000VA UPS unit, showing the display screen and power button.

## 4. SETUP AND INSTALLATION

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Follow these steps to set up your UPS:

1. **Unpacking:** Carefully remove the UPS from its packaging. Inspect for any shipping damage.
2. **Placement:** Place the UPS on a flat, stable surface in a cool, dry, and well-ventilated area. Ensure there is adequate space around the unit for airflow.
3. **Initial Charge:** Before connecting any devices, plug the UPS power cord into a grounded wall outlet. Allow the unit to charge for at least 8 hours to ensure the battery is fully charged. The display will indicate charging status.
4. **Connecting Devices:**



Figure 4.1: Rear view of the Dalton 2000VA UPS, highlighting the input power port, output sockets, and USB/Modem ports.

- Once the battery is charged, connect your computer, monitor, and other critical electronic devices to the UPS output sockets.
- Do not overload the UPS. Refer to the specifications section for maximum load capacity.
- If applicable, connect the USB communication cable from the UPS to your computer for monitoring software (software not included, check manufacturer's website).

## 5. OPERATING THE UPS

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### 5.1 Powering On/Off

- **To Power On:** After connecting to AC power and charging, press and hold the power button on the front panel for approximately 3 seconds until you hear a beep and the display illuminates.
- **To Power Off:** Press and hold the power button for approximately 3 seconds until you hear a beep and the display turns off. If the UPS is running on battery, it will shut down immediately. If connected to AC, it will switch to bypass mode before shutting down.

### 5.2 Understanding the Display

The front panel LCD display provides real-time status information:

- **IN:** Displays the input voltage from the utility power.
- **OUT:** Displays the output voltage provided by the UPS to connected devices.
- **NORMAL:** Indicates the UPS is operating on utility power.
- **Bat:** Shows the current battery charge level.
- **Load:** Indicates the percentage of the UPS's capacity being used by connected devices.
- **Battery Mode Icon:** Appears when the UPS is running on battery power during an outage.



Figure 5.1: Side view of the UPS, showing the illuminated display with power status indicators.

### 5.3 Battery Backup Function

In the event of a power outage, the UPS will automatically switch to battery power, providing continuous power to your connected devices. The duration of backup power depends on the load connected and the battery's charge level. The

UPS will emit an audible alarm during battery operation.  
When utility power returns, the UPS will automatically switch back to AC power and begin recharging its battery.

## 6. MAINTENANCE

- **Battery Care:** To maximize battery life, ensure the UPS is always connected to an AC outlet to keep the battery charged. If the UPS is stored for an extended period, recharge it every three months for at least 8 hours.
- **Cleaning:** Disconnect the UPS from all power sources before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid or aerosol cleaners.
- **Ventilation:** Regularly check that the ventilation openings are not blocked by dust or debris to prevent overheating.

## 7. TROUBLESHOOTING

Refer to the table below for common issues and their solutions:

Problem	Possible Cause	Solution
UPS does not turn on.	Battery not charged or power cord disconnected.	Ensure power cord is securely plugged in and allow battery to charge for 8 hours.
UPS beeps continuously in normal mode.	Overload condition.	Disconnect non-essential equipment until the alarm stops. Check total load.
Short backup time.	Battery not fully charged or battery nearing end of life.	Allow UPS to charge for 8 hours. If issue persists, battery may need replacement (contact service center).
UPS does not provide power during outage.	Battery discharged or internal fault.	Ensure UPS was fully charged. If problem persists, contact authorized service center.

## 8. TECHNICAL SPECIFICATIONS

Feature	Detail
Product Dimensions	12.5 x 22.5 x 38 cm
Manufacturer	Dalton
Brand Name	Generic
Color	Black
Material	Metal
Current	5 Ampere
Form Factor	Rack
Frequency Range	50-60 Hz

Feature	Detail
Output Voltage	220 Volts
Connector Type	AC

## 9. WARRANTY AND SUPPORT

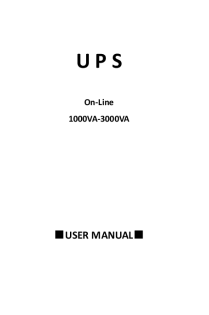
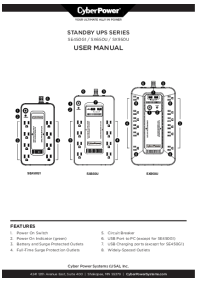
Dalton provides an authorized maintenance center for all Uninterruptible Power Supply units. For warranty claims, technical support, or service inquiries, please contact your local Dalton authorized distributor or service center. Keep your purchase receipt as proof of purchase for warranty validation.

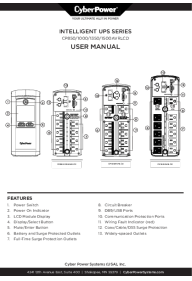

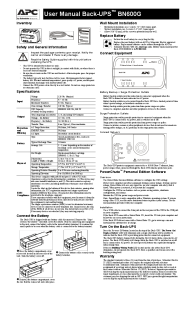
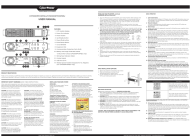
For further assistance, please visit the official Dalton website or contact customer support.



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### Related Documents - 2000VA/5-100A UPS

	<p><a href="#">On-Line UPS 1000VA-3000VA User Manual</a></p> <p>User manual for POWERCOM On-Line UPS systems (1000VA-3000VA). Provides detailed information on safety, installation, operation, monitoring, maintenance, troubleshooting, and technical specifications.</p>
	<p><a href="#">CyberPower Standby UPS Series SE450G1, SX650U, SX950U User Manual</a></p> <p>Comprehensive user manual for CyberPower Standby UPS Series models SE450G1, SX650U, and SX950U. Provides detailed information on features, safety warnings, installation, operation, troubleshooting, technical specifications, and warranty.</p>

 <p>The image shows the cover of the CyberPower Intelligent UPS Series User Manual. It features the CyberPower logo at the top, followed by the title 'INTELLIGENT UPS SERIES USER MANUAL'. Below the title are four small images of different UPS models. A 'FEATURES' section lists 12 items, including Power Switch, Power On Indicator, LCD Display, Charging Status Indicator, Battery Charge Indicator, and others. The bottom of the cover has the text 'CyberPower Intelligent UPS Series User Manual'.</p>	<p><a href="#">CyberPower Intelligent UPS Series User Manual - CP850/1000/1350/1500AVRLCD</a></p> <p>User manual for CyberPower Intelligent UPS Series models CP850AVRLCD, CP1000AVRLCD, CP1350AVRLCD, and CP1500AVRLCD. Covers features, safety, installation, operation, battery replacement, troubleshooting, technical specifications, and GreenPower UPS technology.</p>
 <p>The image shows the cover of the Riello iPlug UPS manual. It features the Riello logo at the top left, followed by the title 'iPlug'. Below the title is a large image of the iPlug UPS unit. To the right of the image is a list of features, including Compact, Versatile, and Robust. The bottom of the cover has the text 'Riello iPlug UPS'.</p>	<p><a href="#">Riello iPlug UPS: Compact Power Protection for Home and Small Office</a></p> <p>Discover the Riello iPlug series UPS, offering compact, versatile, and robust power protection for household and small office systems. Features auto restart, battery swap, and advanced communication software.</p>
 <p>The image shows the cover of the APC Back-UPS BN600G User Manual. It features the APC logo at the top left, followed by the title 'User Manual Back-UPS BN600G'. Below the title is a large image of the BN600G UPS unit. To the right of the image is a list of features, including Safety, Specifications, and Installation. The bottom of the cover has the text 'APC Back-UPS BN600G User Manual'.</p>	<p><a href="#">APC Back-UPS BN600G User Manual</a></p> <p>User manual for the APC Back-UPS BN600G Uninterruptible Power Supply (UPS), providing safety information, specifications, installation, operation, troubleshooting, and warranty details.</p>
 <p>The image shows the cover of the CyberPower CP1500PFCRM2U/CP2000PFCRM2U User Manual. It features the CyberPower logo at the top left, followed by the title 'User Manual CP1500PFCRM2U/CP2000PFCRM2U'. Below the title is a large image of the CP1500PFCRM2U UPS unit. To the right of the image is a list of features, including Safety, Specifications, and Installation. The bottom of the cover has the text 'CyberPower CP1500PFCRM2U/CP2000PFCRM2U User Manual'.</p>	<p><a href="#">CyberPower CP1500PFCRM2U/CP2000PFCRM2U User Manual: Installation, Operation, Safety, and Specs</a></p> <p>Comprehensive user manual for CyberPower CP1500PFCRM2U and CP2000PFCRM2U Uninterruptible Power Supply (UPS) units. Covers features, safety warnings, installation, basic operation, battery replacement, troubleshooting, technical specifications, and GreenPower UPS technology.</p>