

**POWERWARE® WARRANTY AGREEMENT COVERING VALVE REGULATED LEAD ACID BATTERIES  
USED IN FULL FLOAT SERVICE FOR UNINTERRUPTED POWER SUPPLY SYSTEMS DESIGNED AND  
MANUFACTURED BY POWERWARE® CORPORATION IN THE U.S.A.**

**ONE (1) YEAR**

Powerware® batteries are warranted for a period of one year from date of shipment against defective materials and workmanship. As the sole and exclusive remedy in discharge of this Warranty, Powerware® agrees, if the battery fails to perform its designed function when tested under Powerware®'s supervision, or if any cells or parts of the battery assembly do not meet Powerware®'s specifications for new material during the stated one year warranty period, then Powerware® will either (a) repair parts, cells or battery at its expense, F.O.B. its factory or, (b) credit User an amount (against the purchase of another Powerware® battery of equal or greater amp-hour capacity) equal in dollars to the net purchase price of the original battery in exchange of the unserviceable batteries. The replacement battery shall be warranted per the terms of the original, replaced battery for the remaining unused portion of the original warranty period of the replaced battery. Further, User must give Powerware® prompt notice of such alleged defects and return alleged defective parts or cells prepaid to Powerware®'s factory for examination and test.

In execution of this service life Warranty, Powerware agrees that if battery fails to deliver eighty (80%) percent of its published rated capacity in amp-hours when tested under Powerware's supervision, before one year, Powerware, at its option, with either (a) repair battery at its expense, F.O.B. it factory, to deliver in excess of eighty (80%) percent of its published rated capacity or (b) credit the purchaser (User) toward the purchase of a new Powerware battery of equal or greater amp-hour capacity.

Costs for replacement-equipment installation, material freight charges, and travel expenses of Powerware® representatives will be borne by the purchaser (User). The replacement battery shall be warranted per the terms of the original replaced battery for the remaining unused portion of the original warranty period of the replaced battery.

This Warranty and Adjustment Agreement apply only to original purchaser (User) of equipment and is non-transferable. Warranty does not apply to broken containers, terminals, or covers of batteries.

User shall indemnify and save Powerware® harmless from any claims and liabilities arising out of the use, maintenance, transportation or installation of any equipment warranted hereunder. THE FOREGOING IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, POWERWARE MAKES NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. POWERWARE SHALL NOT BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES.

WARRANTY DOES NOT APPLY TO BATTERIES USED IN CYCLE SERVICE.

Full Float service is defined as a battery being used to supply power whenever prime power from utility is lost. Warranty does not apply to batteries used in cycle service such as load sharing or to batteries subjected to excessive testing (not more than the equivalent of two full system discharges per year.) All batteries are rated to give 95% capacity unless Powerware expressly acknowledges 100% capability in response to User specification for 100%.

**DEFINITION STATEMENT**

**Batteries covered under this warranty are those batteries that are used exclusively by Powerware® and are designed for the purpose of UPS power protection and specified by Design Engineering.**

**POWERWARE®**  
**STORAGE, INSTALLATION AND MAINTENANCE INSTRUCTIONS**  
**COVERING STATIONARY UPS BATTERIES**

## **STORAGE**

Batteries shall be stored in a dry environment whose ambient temperature is between –20°C and 40°C.

Storage period shall not exceed 6 months (from shipment date) without initiation of Top Charge procedures. Maximum storage period shall not exceed 12 months (from shipment date).

## **CHARGING METHOD**

Charging voltage shall be regulated to 2.25 volts per cell  $\pm 2\%$ . An Equalizing Charge, if any, shall not exceed 20 Hours at maximum 2.35 volts per cell.

## **TOP CHARGE**

Should Battery not be installed and under charge, within 6 Months of shipment date, a Top Charge of 2.35 volts per cell shall be applied for batteries not installed for 6 Months, but less than 12 Months (from shipment date) will require a Top Charge of 2.35 volts per cell for 10 Hours.

## **PRE-INSTALLATION CHECKS**

Total open circuit battery voltage shall be 2.10 volts per cell, or above, before initial installation. No single battery unit shall have a terminal voltage of less than 2.05 volts per cell. Equalizing Charge shall be necessary should these parameters be exceeded.

## **MAINTENANCE AND PERIODIC CHECKS**

### Monthly

Battery area (within 3 linear feet of battery) ambient temperature and battery group charging voltage shall be recorded every month of the battery life. Data shall be recorded each month of and maintained at the battery site per the attached sample form.

### Recommended Annual Checks

Once every year, each battery package should be checked and its voltage recorded. Any unit discrepancy found which exceeds 0.30 volts per Battery Package shall warrant an Equalize Charge for the entire battery. All data shall be recorded per the attached sample form.

All maintenance data shall be made available to Powerware' Service Departments upon request.

## INSPECTON REPORT OF BATTERY IN FLOATING SERVICE

Owner \_\_\_\_\_

Battery No \_\_\_\_\_

Location \_\_\_\_\_

Battery Type \_\_\_\_\_

Date Installed \_\_\_\_\_

Number of Cells \_\_\_\_\_

### Required Monthly Inspection

[illegible]