

AMARON[®] **QUANTA**

LIFE UNINTERRUPTED



WARRANTY CARD
TUBULAR BATTERY



AMARA RAJA
Gotta be a better way

QUANTA CUSTOMER CARE

TOLL FREE NO. 1800-425-2288

Thank you for choosing S-XEL Tubular Battery. This User Guide-Cum-Warranty Card provides you the guidelines to be followed for optimizing performance of the Battery as well as the Warranty Terms & Conditions.

TERMS & CONDITIONS OF WARRANTY

1. S-XEL Tubular battery carries warranty for a period of 48 months from the date of sale. The warranty is applicable only in India.
2. The S-XEL Ranges of batteries are warranted against all defects arising in material and workmanship. Liability under this warranty is limited to making goods of defects arising solely from the use of faulty materials or workmanship during manufacturing and developing under proper use. Consequential liabilities will not be entertained.
3. In the event of any problem with battery, customer can log in service complaint in **Amaron Quanta™** Customer Care center using toll free number and obtain complaint reference number for future communication and tracking status of complaint. The complaint will be assigned to the nearest authorized channel partner or service provider for attending and resolving.
4. The right to determine whether a battery needs free replacement or rectification rests with company and is binding under all circumstances. Also in case of replacement, the company reserves the right to give new battery or rectified battery.
5. Defective battery arising out of free replacement will become property of the company and no scrap rebate will be given for that battery.

6. In case of warranty replacement, warranty period for the replaced battery will still be considered from the date of sale or manufacturing of the first sold battery as defined in point no 1.i.e., warranty replacement will not alter warranty on the original sale. Consequently, the balance warranty period and/or the formal revalidation for the same will be suitably discharged by the company and/or will be physically marked on the replaced battery.
7. Company is not responsible for the additional warranty period given by channel / intermediaries over and above standard warranty period.
8. The warranty is valid only for the claim arising out of the “first end user sale” by the company or its authorized channel partners or the OEMs. This warranty will cease if the battery is transferred by way of sale or many other means to any other third party (ies).
9. In the event of any particular battery model is stopped manufacturing, the company reserves the right to provide alternate model of battery through warranty settlement.
10. All liabilities under this warranty will cease if the battery is :
 - a. Used for applications/s other than what is/are specified in the installation and operating manual or product catalogues.
 - b. Operating under conditions that violate the recommended practices and/or guidelines and/or specifications mentioned in the installation and operations manual like exposure to sunlight or rain, etc.
 - c. Physically damaged / willful abused.
 - d. Out of warranty.
 - e. Used for application other than online UPS.
 - f. Given on rental basis.

- g. Damage to the battery is due to contamination of electrolyte, the electrolyte used must be pure dilute sulphuric acid conforming to IS specification no. 266-1993 or with latest amendments. For topping up purpose pure distilled water conforming to IS specification no. 1069-1964 or with latest amendments.
- h. Any evidence or proof of the battery not being in charged state throughout its life or conditions not conducive to fully charge battery at any point of time.
- i. Found to have additives , dopes or anything other than battery grade de-mineralized water.

11. The warranty is void and will cease to exist when damages are caused due to

- a. The difference between 'Date of sale' and 'Date of manufacturing/Refresh charge' of the battery is more than 3 Months (90 Days). Recharging is not covered under the purview of this warranty and this shall be charged extra.
- b. Faulty charging systems, improper handling, improper charging, servicing by unauthorized personnel, destruction by fire / natural calamities and / or theft / pilferage.
- c. Battery found to be under sized or used in a manner to be unsafe will not be warranted.
- d. Improper cable sizing, improper lugging, loose connections, less than 10% Charging current, etc.

12. Warranty does not cover for normal wear and tear of the product or its parts due to usage.

13. We strongly recommend the use of aging factor while sizing of the battery to ensure designed backup to be available from the battery till end of life. Battery capacity will get reduced over a period of time due to charge / discharge cycles, as some portion of active material gets degraded and will stop participating in the chemical reaction.

14. In case of warranty claim, our invoice /bill in original must be produced without which claim will not be entertained.
15. Initial records of battery voltages, at the time of installation must be noted and informed this records to us or to our authorized dealers failing which the warranty claim may be liable to be held invalid.
16. Octroi duty or local taxes if any becomes livable for the battery under repair or replacement shall be borne by the customer. Recharging is not covered under purview of this warranty and will be charged extra.
17. All claims arising within the period must be accompanied by this warranty card.

All legal proceedings related to any dispute arising out of or in connection with this warranty shall be subjected to the jurisdiction of the appropriate courts at Tirupati only.

Customers are deemed to have read, understood and agreed to these conditions at the time of purchase.

Customer clearly understands and agrees to the above mentioned conditions of the warranty at the time of purchase of the Product. The court in Tirupathi, Chittoor District of Andhra Pradesh shall have exclusive jurisdiction in the event of any dispute.

GUIDELINES TO BE FOLLOWED FOR OPTIMUM PERFORMANCE OF THE BATTERY:

INSTALLATION

1. It is recommended that installation of battery shall be carried out by trained personnel.
2. Ensure minimum one inch clearance around and between the batteries for proper ventilation / access.
3. Battery cable length shall not be more than 1.5 meters from UPS. Ensure proper size of copper cables for interconnections without joints and tighten all connections properly at battery terminals.
4. Do not bend the terminals of the battery and do not solder the cables directly.
5. Terminals corrosion , dirt and moisture causes loss of power and make the battery weak.
6. The top of the battery must be kept clean and dry and all the vent plugs secured. All the electric connections should be properly secure and firmly tightened.
7. Ensure to fix the Float guide (Indicator) which comes with battery during installation. Ensure that the BIC vents & Float Indicator are fully tightened.
8. Apply petroleum jelly to terminals periodically.
9. Never mix different brands, models or ratings of the batteries when UPS requires more than one Battery. Do not connect batteries in parallel.

MAINTENANCE

1. The customers are advised to check the condition of Float guide once in 3 months. Float guide should be maintained at green indication. In the event of Float guide dropping to red level, top-up with de-mineralized water in all the six cells by opening BIC vents on top of battery. Do not top-up with acid or any other liquid.
2. Ensure the following charging parameters are set at UPS for battery.

Available charging mode	Voltage
Float Charging @27°C	13.8V± 0.1V
Boost Charging @27°C	14.4V± 0.1V
Charging current	10-20% of rated AH capacity of Battery
Lower Voltage Cut-off	10.8V

Electrolyte specific gravity of the end charge at 27°C

Electrolyte specific gravity of the end discharge : **1.13**

CAUTION



1. Keep away from sparks, cigarettes and open flame. These can cause explosion.
2. Avoid metallic contact across the terminals as this can result on short circuit and sparking.
3. Do not use any battery additives or dopes.
4. Keep the top surface of the battery clean and dry.
5. Do not tilt the battery.
6. Keep out of reach of children.

THE LEAD ACID BATTERIES CONTAIN VERY TOXIC & HAZARDOUS SUBSTANCES THAT COULD CAUSE IRREVERSIBLE DAMAGES TO HEALTH & ENVIRONMENT. UNLESS HANDLED PROPERLY, LEAD CAN CAUSE POISONING AND AFFECT THE NERVOUS SYSTEM THEREBY RESULTING IN IRREVERSIBLE RETARDATION & SUBSEQUENT DEATH.

BATTERY DISPOSAL

IMPORTANT NOTIFICATION OF THE GOVT. OF INDIA IN REGARD TO HANDLING OF BATTERIES:

Scrap battery has to be disposed in order to comply with Battery Management and Handling Rules (BMHR), Ministry of Environment and Forests (MOEF)-Government of India. Hence, customer is advised to deposit the used battery with the dealer, manufacturer, registered re-cycler or at the designated collection centers and not to dispose-off in any manner.

Please note that violations of these guidelines may lead to legal action/prosecution by the Government Authorities.

AMARA RAJA BATTERIES LIMITED

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AUTHORIZED BY

DATE