

## **SYSTEMS SUNLIGHT S.A.**

### **LIMITED WARRANTY TERMS AND CONDITIONS VALVE REGULATED LEAD ACID BATTERY (VRLA) Applicable for batteries used in full float (stand-by) applications**

Systems Sunlight S.A. guarantees to the original Purchaser (referred to as "User") that all SUNLIGHT VRLA Flat Plate batteries ("Battery/-ies"), when used in full float (stand-by) applications, will be free of defects in material and/or workmanship for the following limited warranty periods (corresponding to each Battery category accordingly):

- 1 year for SPA (models SPA 4-9.5 up to SPA 12-6) and SPHR (models SPHR 12-33W up to SPHR 12-105W)
- 2 years for SPA (models SPA 12-7 up to SPA 12-28), SPB, AccuForce, SPGel, SVT, STB FA and SPHR (models SPHR 12-135W up to SPHR 12-1000W)

The above limited warranty term is valid as from the date of shipment as determined from the bill of lading, when the Batteries are stored, installed, operated in float (stand-by) service and maintained according to the Installation, Commissioning, Operating & Maintenance Instructions provided exclusively by Systems Sunlight S.A. and following the provisions of the international standards IEC 60896-21/22, IEC 62485-2 (EN 50272-2), IEEE1187 and IEEE1188.

In the event of an alleged defect, the User must report it in writing within fifteen (15) days to Systems Sunlight S.A.

The User may be instructed to either:

1. return the claimed Batteries to Systems Sunlight S.A. for examination, at User's expense. The return of claimed Batteries requires prior written confirmation from Systems Sunlight S.A.
2. hold the Batteries at the installation site and permit their inspection by Systems Sunlight S.A. representative.

In case Systems Sunlight S.A. determines a Battery to be defective, it may, at its sole option, repair or replace the defective Battery, EXW Sunlight factory in Xanthi-Greece, without charge to the User for replacement of the materials.

A VRLA Battery in float (stand-by) service may be considered defective

- if there are flaws in material or workmanship which have an effect on product safety, life or performance

or if it fails to deliver

- initially, 90% of its rated capacity, as provisioned by IEEE 1188, after proper installation and commissioning charge, as determined by a capacity test approved by Systems Sunlight S.A.
- 80% of its rated capacity, until the end of warranty period, as determined by a capacity test approved by Systems Sunlight S.A.

Rated capacity refers to the published performance ratings in Systems Sunlight S.A. technical literature at the time of shipment.

The replacement Battery or the Battery that has been repaired shall only be warranted for the remaining unused portion of the warranty of the original Battery.

#### **SYSTEMS SUNLIGHT S.A.**

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The User is responsible and obliged to return any defective Battery to Systems Sunlight S.A. Upon return of any defective Battery by User, User releases to Systems Sunlight S.A. all title and interest with respect to the returned Battery.

The cost and responsibility for removal of the defective Battery and its shipment to Systems Sunlight S.A. premises, the freight & installation charges of the replacement Battery and all other costs related to the replacement process will be the responsibility of the User.

## **TERMS AND CONDITIONS:**

1. Each Battery must be of the proper design, size and capacity for the intended application. The User is responsible for the selection of the appropriate Battery.
2. Each Battery must be stored, installed, operated in float (stand-by) service and maintained according to the Installation, Commissioning, Operating & Maintenance Instructions provided by Systems Sunlight S.A.
3. Installation and commissioning should occur within twelve (12) months from the date of shipment. While on storage, prior to final installation, Batteries shall be boost charged every 6 months. Batteries must be stored at an ambient temperature of 25°C or less.
4. Float charging voltage should be temperature compensated according to the limits specified in the product leaflet.
5. The permissible continuous AC ripple voltage at the Battery terminals shall not exceed 0,5% RMS of the float charging voltage.
6. The Battery Log Book or a Battery Monitoring System report will be available upon request for inspection by Systems Sunlight S.A. at any reasonable time.
7. All Batteries should be recharged immediately after a discharge. Warranty will be void if the User fails to recharge the Battery within forty eight (48) hours.
8. Warranty is void if the User allows any Battery to be discharged below the minimum Battery voltage cutoff point.
9. Temperatures:
  - Average annual ambient temperature shall not exceed 25°C. In case of a higher ambient temperature the warranty period is reduced by 50% for every 8°C increment above 25°C.
  - Cell temperature shall not exceed 33°C for more than 30 days annually.
  - Batteries must be installed in such a way that the individual cells temperature does not vary by more than 3°C. Cells shall not be installed near radiators, steam pipes, or direct sunlight or in any location where cells may be subject to uneven heating or cooling of cell's interior. Appropriate documentation to verify temperature variation shall be required to support any warranty claim from the User.
10. The valves must not be tampered with or removed.
11. Proper ventilation acc. to IEC 62485-2 (EN 50272-2) has to be applied in the installation site.

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12. Installation and periodic inspections must be performed by the User and the corresponding records must be made available to Systems Sunlight S.A. on request, to support any warranty claim.
13. This warranty is void if Batteries are installed in connection with different models or different brands.
14. This warranty is void if the Battery becomes unserviceable due to fire, wreckage, freezing, neglect, evidence of high temperatures, any act of god, or if the Battery is subject to misuse or physical damage, or if the Battery has been serviced, or repaired by someone other than an authorized Systems Sunlight S.A. service agent.
15. User must immediately discontinue the use of the Battery after discovery of a safety defect and report it to Systems Sunlight S.A. in writing. Otherwise, this warranty is void.
16. This warranty is not applicable to Batteries used in cycle applications.
17. Damages related to transportation will be handled according to the each time agreed Incoterm.
18. In case any of the above is not strictly observed, the warranty shall be cancelled immediately.
19. This warranty is valid for and construed only towards the original Purchaser, who may further transfer its terms and conditions to any end-user, provided that all communications and possible claims will be handled only between Systems Sunlight S.A. and the original Purchaser. For the avoidance of any doubt, it is further clarified that Systems Sunlight S.A.'s warranty liability is valid against only the original Purchaser.

## LIMITATIONS

Systems Sunlight S.A. shall not be liable for any special, indirect, incidental or consequential damages arising out of the sale or relating to the use, maintenance, transportation or installation of the Battery.

The User assumes responsibility for personal injury and property damage resulting from the handling, possession or use of the Battery.

In no event, shall the liability of Systems Sunlight S.A. for any and all claims, including claims of breach of warranty or negligence, exceed the purchase price of the Battery. The assertion of a warranty claim in no case extends the warranty period.

This warranty is understood to be the exclusive agreement between the parties relating to the subject matter here for. No representing agent unless noted so by Systems Sunlight S.A. in writing is authorized to any warranty in addition to those made in this agreement.

This warranty is governed by and construed under the laws of Greece.

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