



LEAD ACID BATTERY WARRANTY CERTIFICATE

FIAMM guarantees to the original user that all FIAMM SMG solar batteries will be free from defects in material or workmanship for 4 years (full warranty) after date of dispatch from FIAMM's warehouse. User should promptly report any alleged defects in writing to FIAMM and permit examination by its representative.

If FIAMM finds the batteries to be defective as a result of material or workmanship, FIAMM may, at its own option, either repair the batteries or provide a replacement ex works FIAMM's warehouse free of charge except for transport expenses.

The warranty is valid provided that the user established to FIAMM's satisfaction that :

- 1) The batteries are handled, stored and installed in accordance with FIAMM's published instructions furnished with the batteries.
- 2) The batteries are properly freshened if they are kept in storage for long period of time (beyond six months at 20C or 3 months at 30C).
- 3) The batteries are operated in conjunction with a full float, voltage regulated charger and otherwise installed, used and maintained in accordance with FIAMM's published instructions furnished with the batteries. In case of deep discharge, batteries should be recharged immediately through boost charging.
- 4) The Depth of Discharge (DOD) of every cycle is less than 30-50% (if the cycle is more than twice a week) and the batteries are fully recharged (over 101-102%) after each discharge.
- 5) For solar applications, the batteries should be allowed to be properly boost charged at least twice in a month (stable and consistent charging by a working generator)
- 6) The applied constant float voltage must be temperature compensated when the battery temperature exceeds 30°C.
- 7) The yearly ambient temperature in the area of use (battery room or cabinet) in any year may not exceed 30° C. In case ambient temperature exceed 30° C the warranty conditions will be modified as follows :
If temperature goes over 30° C up to 35° C, warranty is reduced down to 2/3 of the warranty period;
If temperature goes over 35° C up to 40° C, warranty is reduced down to 1/2 of the warranty period;
If temperature goes over 40° C up to 45° C, warranty is reduced down to 1/3 of the warranty period;
However batteries are operated at a temperature never exceeding 45°C and operated at a temperature higher than 30°C (never exceeding 45°C) for an overall period of time not longer than 10% of the warranty period.
- 8) User shall maintain complete records regarding the temperature and conditions of use and the maintenance performed, as per FIAMM's instructions furnished with the batteries (hereby attached), and shall permit examination of these records by FIAMM. User shall also promptly report any alleged defects in writing to FIAMM and permit examination of the site and batteries by its representative.

This warranty is void in any case in which the products herein described have been misused, stressed beyond design limits, or damaged, even accidentally or whenever FIAMM instructions have not been strictly followed.
This warranty is also void in case of any natural disasters.

THE ABOVE STATED GUARANTEE IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, AND IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE OF STATUTORY AND ALL OTHER LIABILITIES (CONTRACT, TORT OR OTHERWISE, INCLUDING WITHOUT LIMITATION NEGLIGENCE). SELLER MAKES NO WARRANTY WHATSOEVER EXPRESS, IMPLIED OR STATUTORY TO ANY PERSON OR ENTITY OTHER THAN BUYER. IN NO EVENT WHATSOEVER SHALL SELLER BE LIABLE FOR LOSS OF PROFITS OR ANY OTHER INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM ANY DEFECTS IN THE GOODS OR ANY BREACH OF THE WARRANTY.

The warranty set forth herein is limited to the initial user of the equipment to which they relate.

RETURNED MATERIALS will not be accepted without a Return Material Authorization issued by FIAMM in writing. Customer is responsible for costs of returning materials, for secure packaging of returned material to provide best possible assurance against damage in shipment, and for any damage in shipment. Batteries of any kind must not be returned to FIAMM's warehouse without special instructions for handling and shipping.

Date : 23/11/2016
Issued by : FIAMM ASIA PACIFIC PTE LTD
Client :
Project :