

Polarium 10-year warranty for YHI NZ Polarium SLB48 NMC 14S Lithium-Ion Batteries

Polarium guarantees and warrants to customer that all Polarium supplied Smart Lithium Batteries will be free from defects by reason of defective material, design, or workmanship and fully functional and operational for 5 years + 5 years pro-rata starting after date installation or 6 months after the date of manufacture, whichever occurs earlier.

YHI should promptly report any alleged defects in writing to Polarium and permit examination by Polarium or its representative. If Polarium finds the batteries to be defective, Polarium shall either repair the battery or provide a replacement battery free of charge or as per the pro-rata component of this document.

The Polarium battery is determined defective if the product fails to deliver more than 60% of its original capacity.

Polarium warranty has the following conditions:

1. There is no physical damage to the battery module preventing its operation or if the battery module has been tampered with;
2. The battery temperature does not exceed 45 °C for more than 30 hours in any rolling 30-day period or consecutively for any 10 days in any 365-day period;
3. Average battery temperature is less than 30°C over the functional life of the battery. Each battery module records and averages the temperature daily and is stored on the individual battery log;
4. Battery charge voltage never exceeds 57.4 V, no temperature compensation, no boost charging;
5. 1 cycle per day = 80% Depth of Discharge total of parts thereof;
6. Maximum 3650 cycles or 10 years, whichever occurs first;
7. The Product is used and maintained under normal conditions and in accordance with the documents, information and advice furnished by Polarium;
8. Customer without undue delay has given Polarium notice of such defects, non-conformities or deviations before the expiration of the applicable warranty period;

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9. Such defect, non-conformity or deviation was not caused by interworking equipment not supplied under this agreement and
10. Customer has given Polarium every opportunity to inspect and remedy such defect, non-conformity, and deviation.
11. If requested by Polarium the site controller's battery data and the internal BMS data should be provided in within 30 days of the alleged issue.

The warranties given in this Warranty letter shall not apply to any failure caused by modification of the Product without Polarium's written approval.

Repaired Battery

In case a battery module is faulty and intended for repair by Polarium, the replacement module will feature an equal or greater remaining energy throughput (Ah) than the replaced battery.

Battery Management Software

Polarium hereby grants Customer a non-exclusive, perpetual, irrevocable, royalty-free, worldwide license for the battery management software included in the Product.

Average Temperature Formula

Average Temp is the average temperature measured in Degree Celsius (°C). The temperature is recorded on a daily average temperature internally in the battery. The temperature of the battery is captured every minute and average over the day. The average temperature over the life of the battery is calculated by adding all the average daily temperatures & dividing this sum by the number of functional days.

Extended Warranty

This Polarium 10 years warranty includes an extended warranty, 5 years pro-rata warranty, after the initial 5 years warranty. The 5 years extended warranty means a pro-rata discount, if Polarium the product is defect as per this warranty letter, according to following discount percentages Year 6: 50% discount from original purchase price, Year 7: 40%, Year 8: 30%, Year 9: 20% and Year 10: 10% discount from original purchase price for an equal or similar product (same capacity).

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