





## Sanyo TravelMate P245-M Manual

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## Sanyo Test Report

Name of Sample	Lithium Ion Battery 3UR18650-2-
Consignor	SANYO Energy(Suzhou) CO. L



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[Laptop Accessories Sanyo Aspire 7552G Test Report](#)

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## Summary of Contents for Sanyo TravelMate P245-M

[Page 5](#) UN Test Data (Model:3UR18650-2-T0590) 1.Test Item: Altitude simulation (T1) P.3/10 2.Test Purpose: This test simulates air transport under low-pressure conditions. 3.Test Procedure: Test cells and batteries shall be stored at a pressure of 11.6kPa or less for at least six hours at ambient temperature( $20\pm 5$ •...

[Page 6](#) UN Test Data (Model:3UR18650-2-T0590) 1.Test Item: Thermal Test (T2) P.4/10 2.Test Purpose: This test assesses cell and battery seal integrity and internal electrical connections. The test is conducted using rapid and extreme temperature changes. 3.Test Procedure: Test cells and batteries are to be stored for at least six hours at a test temperature equal to  $75\pm 2$  •  $\bar{Z}$  , followed by storage for at least six hours at a test temperature equal to  $-40\pm 2$ •...

[Page 7](#) UN Test Data (Model:3UR18650-2-T0590) 1.Test Item: Vibration (T3) P.5/10 2.Test Purpose: This test simulates vibration during transport. 3.Test Procedure: Cells and batteries are firmly secured to the platform of the vibration machine without distorting the cells in such a manner as to faithfully transmit the vibration. The vibration shall be a sinusoidal waveform with a logarithmic sweep between 7 Hz and 200 Hz and back to 7 Hz traversed in 15 minutes.This cycle shall be repeated 12 times for a total of 3 hours for each of three mutually perpendicular mounting positions of the cell.

[Page 8](#) UN Test Data (Model:3UR18650-2-T0590) 1.Test Item: Shock (T4) P.6/10 2.Test Purpose: This test simulates possible impacts during transport. 3.Test Procedure: Test cells and batteries shall be secured to the testing machine by means of a rigid mount which will support all mounting surfaces of each test battery.

[Page 9](#) UN Test Data (Model:3UR18650-2-T0590) 1.Test Item: External short circuit (T5) P.7/10 2.Test Purpose: This test simulates an external short circuit. 3.Test Procedure: The cell or battery to be tested shall be temperature stabilized so that its external case temperature reaches  $55\pm 2$ •...

[Page 10](#) UN Test Data (Model:3UR18650-2-T0590) 1.Test Item:Impact (T6) P.8/10 2.Test Purpose: This test simulates an impact. 3.Test Procedure: The test sample cell or component cell is to be placed on a flat surface. A 15.8mm diameter bar is to be placed across the center of the sample.

[Page 11](#) UN Test Data (Model:3UR18650-2-T0590) 1.Test Item:Overcharge (T7) P.9/10 2.Test Purpose: This test evaluates the ability of a rechargeable battery to withstand an overcharge condition. 3.Test Procedure: The charge current shall be twice the manufacturer's recommended maximum continuous charge current. The minimum voltage of the test shall be as follows: (a) when the manufacturer's recommended charge voltage is not more than 18V,the minimum voltage of the test shall be the lesser of two times the maximum charge voltage of the battery or 22V.

[Page 12](#) UN Test Data (Model:3UR18650-2-T0590) 1.Test Item: Drop Test P.10/10 2.Test Purpose: This test simulates the drop of the packaging during transport. 3.Test Procedure: Number of Test Samples (Per design type, Manufacturer ) and Drop Orientation For other than flat drops the centre of gravity must be vertically over the point of impact.

This manual is also suitable for:

[Travelmate p245-mg3ur18650-2-t0950](#)