

## UN38.3 Test Report Summary

Name: Lithium Iron Phosphate Battery

Model: LT12-35

Watt Hours: 448

Un certification 3480

Date of Test: 10/5/23

Testing Laboratory: ATS Electronics

Report Number: ATSU230412511



### **Description:**

Product Name	Lithium Iron Phosphate Battery
Model/Type	12V 35Ah 12.8V, 35Ah, 448Wh
Notes:	The Lithium Iron Phosphate Battery, Model 12.8V, 35ah, 448Wh, consists of 4S-9P Cells, Model ITR26/70-40E

Mass:	4225g
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### **Testing Facility:**

ATS Electronic Technology Co. Ltd.

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### **Manufacturer:**

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### TEST CONCLUSIONS

Clause	Name of test	Sample No.	Sample Condition	Conclusion	Notes
38.3.4.1	Test T.1 Altitude Simulation	ATSP2304125 CA-001-A-004	First cycle in fully charged states	Pass	/
		ATSP2304125 CA-005-A-008	After 25 cycles ending in fully charged states		
38.3.4.2	Test T.2 Thermal Test	ATSP2304125 CA-001-A-004	First cycle in fully charged states	Pass	/
		ATSP2304125 CA-005-A-008	After 25 cycles ending in fully charged states		
38.3.4.3	Test T.3 Vibration	ATSP2304125 CA-001-A-004	First cycle in fully charged states	Pass	/
		ATSP2304125 CA-005-A-008	After 25 cycles ending in fully charged states		
38.3.4.4	Test T.4 Shock	ATSP2304125 CA-001-A-004	First cycle in fully charged states	Pass	/
		ATSP2304125 CA-005-A-008	After 25 cycles ending in fully charged states		
38.3.4.5	Test T.5 External Short Circuit	ATSP2304125 CA-001-A-004	First cycle in fully charged states	Pass	/
		ATSP2304125 CA-005-A-008	After 25 cycles ending in fully charged states		
38.3.4.6	Test T.6 Impact/Crush	ATSP2304125 CA-017-A-021	First cycle at 50% of the design rated capacity	Pass	26.3mm/ Cylindrical cell is 26.3mm in diameter.
		ATSP2304125 CA-022-A-026	After 25 cycles ending at 50% of the design rated capacity		

**CONCLUSION:**

The sample has passed the items of UN 'Manual of Tests and Criteria'

ST/SG/AC.10/11/Rev.7/Amend1/Subsection 38.3

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