



# Technical Information Service Report

**TIS Report:** 80220190  
**Date:** September 21, 2024

**CLIENT:** SPITZER ENERGY COMPANY  
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United States

Attention: Jackie Zhou

Issued by: Wilson He

**SUBJECT:** Model difference for Lithium-ion Battery System between PLPA-L1-10K2-U and SPZ 10.24KWh-WM.

## **APPLICABLE REQUIREMENTS:**

ANSI/CAN/UL 9540A:2019 (Fourth Edition)

The report was issued to illustrate the differences between models PLPA-L1-10K2-U and SPZ 10.24KWh-WM. Also, evaluating the UL 9540A test data performed on model PLPA-L1-10K2-U was considered to represent model SPZ 10.24KWh-WM based on construction and installation requirement.

**THIS REPORT DOES NOT AUTHORIZE THE USE OF THE CSA MARK ON THE SUBJECT PRODUCTS.**

*The completion of this form does not imply certification or approval of the "SUBJECT" product nor any features or components thereof.*

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1. Differences for model construction and installation, see the following comparison table for detailed information:

Model	PLPA-L1-10K2-U	SPZ 10.24KWh-WM
UL 1973 or UL 9540 certification	Battery System were certified to UL 1973 3 <sup>rd</sup> Edition. Certification agency: TUV Rheinland Certificate No.: CU 72302907 0002 Report No.: CN23QCF3 002	Battery System were certified to UL 1973 3 <sup>rd</sup> Edition. Certification agency: TUV Rheinland Certificate No.: CU 72405846 0001 Report No.: CN24TGPQ 001
Enclosure Cover Material and dimension (mm)	Metal enclosure 550(L)*165(W)*1000(H)	
Enclosure rating	IP65	
Cell Model	001CB0Y0	
Cell Number and Configuration	(2P4S)*4	
Module Model	M012200	
Heat Insulation Material and Location	Aerogel pad *40pcs 175*201mm Between each two cells	
Venting Hole dimension	Φ12mm	
BESS unit design	<input checked="" type="checkbox"/> Residential BESS <input type="checkbox"/> BESS Cabinet <input type="checkbox"/> Container BESS	
BESS Venting/Anti Explosion Design	<input checked="" type="checkbox"/> Ventilation system <input type="checkbox"/> Anti-Explosion System	
BESS Fire Detection and Suppression system	<input checked="" type="checkbox"/> Not Integral part of DUT <input type="checkbox"/> Integral part of DUT, test conducted without fire detection system	
Installation Configuration	<input checked="" type="checkbox"/> Indoor floor mounted <input checked="" type="checkbox"/> Outdoor ground mounted <input checked="" type="checkbox"/> Indoor wall mounted <input checked="" type="checkbox"/> Outdoor wall mounted <input type="checkbox"/> Rooftop and open garage <input type="checkbox"/> Container system BESS	
Separation distance and clearance	The installation layout, separation distance and clearance between the two battery system models are the same. Refers to Att.3 80199906_UL 9540A Test Report - Unit Level for the detailed requirement for Model PLPA-L1-10K2-U and its end product installations.	

Critical component and operation of battery system	Models PLPA-L1-10K2-U and SPZ 10.24kWh-WM are identical to each other in system construction except for the trademarks.
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Based on the above comparison information, UL 9540A Unit Level Test Report - 80199906 issued on April 19, 2024, for model PLPA-L1-10K2-U was considered to representative of model SPZ 10.24kWh-WM listed in the report.

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