

List of Regulatory Documents for the LP-PAVMYRN1S1P Li-ion Battery

Glossary

- **CB SCHEME:** An internationally recognized certificate enabling manufacturers to obtain multiple national safety certifications based on harmonized IEC Standards.
- **CSA (Canadian Standards Association):** Global organization that develops standards, provides testing, inspection, and certification services to enhance safety and sustainability
- **EMC (Electro-Magnetic Compatibility):** Ensures electrical and electronic devices function correctly in their environment without causing or suffering from harmful interference.
- **EMI (Electro-Magnetic Interference):** Unwanted electromagnetic energy that disrupts, degrades, or limits the performance of electrical equipment.
- **EMS (Electro-Magnetic Susceptibility):** Measures how susceptible an electrical device is to external interference.
- **EN (European Norm):** Technical specifications mandated by the European Union to ensure product safety, quality, and interoperability across the European single market.
- **EU:** European Union.
- **IEC (International Electrotechnical Commission):** An International organization for preparing and publishing international standards for all electrical, electronic, and related technologies.
- **LP-PAVMYRN1S1P:** Harding Energy Inc's part number for the rechargeable, Li-ion battery supplied for use in the Myron L[®] Company, UMIV Instrument.
- **TUV (*Technischer Überwachungsverein*):** Stands for; Technical Inspection Association), A German Notified Body that has met international requirements to providing international testing, inspection, auditing, and certification services and issue internationally recognized report and certificates.
- **TUV SUD:** A subsidiary division of TUV.

Relevant Standards

- **2014/30/EU:** The European Union's Electromagnetic Compatibility (EMC) Directive, ensuring electrical equipment does not cause, or suffer from, excessive electromagnetic interference.
- **CSA C22.2:** General Requirements for the Canadian Electrical Code, Part II, outlining essential safety, construction, and testing standards for Li Batteries
- **CSA C22.2 No. 62133-2:20:** Specific requirements and tests for the safe operation of portable sealed secondary lithium cells and batteries containing non-acid electrolytes.
- **EN 62133-2:** International safety standard for portable, sealed secondary (rechargeable) lithium-ion cells and batteries.
- **EN IEC 61000 et. al.** A set of Electro-Magnetic Compatibility test criteria and methods outlining essential requirements for emission and immunity.
- **IEC 62281:** Harmonized, International safety standard requirements for shipping Li batteries internationally
- **RoHS3 (Directive 2015/863/EU:)** EU directive that restricts hazardous substances in electrical and electronic equipment.
- **REACH:** EU regulation for the Registration, Evaluation, Authorization, and Restriction of Chemicals, that mandates industry to manage chemical risks, protecting human health and the environment.
- **Prop 65:** The Safe Drinking Water and Toxic Enforcement Act of 1986. A California regulation that requires businesses to provide warnings for products exposing consumers to chemicals known to cause cancer, birth defects, or reproductive harm.
- **UN DOT 38.3:** United Nations "Recommendations on the Transport of Dangerous Goods, subsection on Li batteries.

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TABLE OF DOCUMENTS

Document Title	Type	Issuing Lab and DATE	Document No.	Description
IEC62133+CSA C22.2 test report-LP-PAVMYRN1S1P	Test Report Safety	Shenzhen CCJC Technology Co., Ltd <u>2026-03-20</u>	CCJC2610411R01	Test Report for compliance with Safety Standards: • IEC 62133-2:2021 • IEC 62133-2:2017/AMD1:2021 With attachment referencing: • UL 62133-2:2020 R5.24, • CSA C22.2 No. 62133-2:20+A1:24
IEC62133 TEST REPORT-LP-PAVMYRN1S1P	Test Report Safety	TUV SUD <u>2026-03-25</u>	211-2822601105-000	CB SCHEME: Test Report for applying to receive a CB SCHEME certificate as per: • IEC 62133-2:2017 • IEC 62133-2:2017/AMD1:2021
CERT_CB LP-PAVMYRN1S1P	Certificate Safety	TUV SUD <u>2026-03-26</u>	SG PSB-BT-08103	CB SCHEME Certificate for Safety Standards: • IEC 62133-2:2017 • IEC 62133-2:2017/AMD1:2021
IEC62281 TEST REPORT-LP-PAVMYRN1S1P	Test Report Safety	TUV SUD <u>2026-03-26</u>	CCJC202610410R013	Test Report for safety requirements for transporting (rechargeable) lithium batteries according to: • IEC 62281:2019 • IEC 62281:2019/AMD1:2021 • IEC 62281:2019/AMD2:2023
CSA C22.2 test report-LP-PAVMYRN1S1P	Test Report Safety	TUV SUD <u>2026-03-26</u>	68.282.26.01106.01	Test Report for Batteries Containing Non-Acid Electrolytes – Safety Requirements as per the following standards recognized in Canada: • UL/CSA 62133-2:2024 Rev. 00 • C22.2 No.62133-2
UN38.3 Report LP-PAVMYRN1S1P	Test Report Safety	Shenzhen CCJC Technology Co., Ltd <u>2026-01-04</u>	CCJC2610401R01	Test Report for safety requirements for transporting (rechargeable) lithium batteries according to: • UN "Manual of Tests and Criteria" ST/SG/ACRev.8+Amend.1 ◦ Subsection 38.3

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UN38.3 Drop Test LP-PAVMYRN1S1P	Test Report Safety	Shenzhen CCJC Technology Co., Ltd <u>2026-01-04</u>	CCJC2610401R05	Specific Report on safety requirements for transporting (rechargeable) lithium batteries - Drop Testing: • UNITED NATIONS "Recommendations on the Transport of Dangerous Goods", 24th Edition. ○ Subsection 38.3 ○ Clause 6.1.5.3
UN38.3 Stacking Test LP-PAVMYRN1S1P	Test Report Safety	Shenzhen CCJC Technology Co., Ltd <u>2026-01-04</u>	CCJC2610401R0	Specific Report on safety requirements for transporting (rechargeable) lithium batteries – Stacking during shipment • United Nations "Recommendations on the Transport of Dangerous Goods", 24th Edition. ○ Subsection 38.3 ○ Clause 6.1.5.3
UN38.3 by Air LP-PAVMYRN1S1P 96pcs	Certification Report Transportation Safety	Beijing Dangerous Goods Management Co. Ltd. <u>2026-03-20</u>	PEKGZ20260320611AG000001	Specific report verifying that this battery meets the safety requirements for Transport by Air Freight according to: • IATA Dangerous Goods Regulations • UN "Manual of Tests and Criteria" ST/SG/ACRev.8+Amend.1 ○ Subsection 38.3.
UN38.3 by Sea LP-PAVMYRN1S1P 96pcs	Certification Report Transportation Safety	Beijing Dangerous Goods Management Co. Ltd. <u>2026-03-24</u>	SEKGZ2026032418AG20001	Specific report verifying that this battery meets the safety requirements for Transport by Sea Freight according to: • UN "Manual of Tests and Criteria" ST/SG/ACRev.8+Amend.1 ○ Subsection 38.3.

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LP-PAVMYRN1S1P_EN 61000-6-3-CE-EMC Report	Test Report EMC	Shenzhen ZKT Technology Co., Ltd <u>2026-01-28</u>	ZKT-2601231776E	Full Technical Level compliance with the following EMC: standards (including both EMI & EMS). Includes tests to: • EMC Directive 2014/30/EU • EN IEC 61000-3-2:2019/A1:2021/A2:2024 • EN IEC 61000-3-3:2013A1:2019/A2:2021 • EN IEC 61000-4-2:2025 • EN IEC 61000-4-3:2020 • EN IEC 61000-4-4:2012 • EN IEC 61000-4-5:2014/A1:2017 • EN IEC 61000-4-6:2023 • EN IEC 61000-4-8:2010 • EN IEC 61000-4-11:2020 • EN IEC 61000-6-1:2019 • EN IEC 61000-6-3:2021
LP-PAVMYRN1S1P_EN 61000-6-3-CE-EMC_Cert	Certificate EMC	Shenzhen ZKT Technology Co., Ltd <u>2026-01-29</u>	ZKT-2601231776C	Declaration of Conformity for EMC standards: • EMC Directive 2014/30/EU • EN IEC 61000-3-2:2019/A1:2021/A2:2024 • EN IEC 61000-3-3:2013A1:2019/A2:2021 • EN IEC 61000-4-2:2025 • EN IEC 61000-4-3:2020 • EN IEC 61000-4-4:2012 • EN IEC 61000-4-5:2014/A1:2017 • EN IEC 61000-4-6:2023 • EN IEC 61000-4-8:2010 • EN IEC 61000-4-11:2020 • EN IEC 61000-6-1:2019 • EN IEC 61000-6-3:2021

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Document Title	Type	Issuing Lab and DATE	Document No.	Description
LP-PAVMYRN1S1P EU 2023-1542 REPORT	Test Report Hazardous Material Content	Shenzhen AZT Technology Co., Ltd <u>2026-01-26</u>	AZT260126004C-E0	Report certifying compliance with REGULATION (EU) 2023/1542 concerning Lead, Cadmium and Mercury content in accordance with: • (EU)2023/1542
LP-PAVMYRN1S1P-Prop 65	Test Report Hazardous Material Content	Shenzhen AZT Technology Co., Ltd <u>2026-01-26</u>	AZT260126003C-E0	Report certifying compliance with requirements concerning Hazardous substances listed in: • California Proposition 65, Safe Drinking Water and Toxic Enforcement Act of 1986
LP-PAVMYRN1S1P-REACH 253 REPORT	Test Report Hazardous Material Content	Shenzhen AZT Technology Co., Ltd <u>2026-01-26</u>	AZT260126002C-E0	Report certifying compliance with requirements concerning Substances of Very High Concern listed in: • REACH Regulation N° 1907 /2006/EC • List of 253 substances published on 2026-02-04
LP-PAVMYRN1S1P-ROHS REPORT	Test Report Hazardous Material Content	Shenzhen AZT Technology Co., Ltd <u>2026-01-26</u>	AZT260126001C-E0	Report certifying compliance with requirements concerning the EU regulation on Restriction of Hazardous Substances (RoHS)in electronic equipment, specifically: • RoHS3 Directive (EU 2015/863