

POWER-SONIC LITHIUM CELLS OR BATTERIES
TEST SUMMARY
IN ACCORDANCE WITH SUB-SECTION 38.3 OF UN MANUAL OF TESTS AND CRITERIA

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For any questions regarding compliance documentation, please visit www.power-sonic.com/resource-center/

UN 38.3 CERTIFIED 

We herewith confirm that Power Sonic's lithium ion cells and batteries meet the requirements of applicable tests in the UN Manual of Tests and Criteria ST/SG/SC.10/11/Rev.6/Amend.1, Part III, Sub-Section 38.3

UN 38.3 TEST SUMMARY

The UN 38.3 tests were performed by one of the following Test Laboratories. All tests completed strictly followed the UN Manual Test and Criteria, Revision 3 Amendment 1 or subsequent revisions or amendments. Please note each Test Laboratory has been assigned a reference number for traceability matching the laboratory each model was tested.

<p>Test Laboratory (TL1)</p> <p>Shenzhen Anbotek Compliance Laboratory Limited East of 4/F., Bldg. A, Hourui No. 3 Industrial Zone Xixiang Street, Bao'an District Shenzhen, Guangdong, China</p>	<p>Test Laboratory (TL2)</p> <p>Shanghai Research Institute of Chemical Industry Testing Centre West Entrance, No.345 East Yun Lin Road, Shanghai, 200062 China</p>	<p>Test Laboratory (TL3)</p> <p>Guangdong Inspection and Quarantine Technology Center Tower B, No. 66 Huacheng Avenue, Zhuijiang Xincheng, Guangzhou, China</p>
<p>Test Laboratory (TL4)</p> <p>Pony Testing International Building 1, No. 66 Jindai Road, Zhongguancun Environmental Protection Park, Haidian District, Beijing, China</p>	<p>Test Laboratory (TL5)</p> <p>Dongguan CTL Electromagnetic Technology Co. Room 107, No.2, Block 1, Area 1, Headquarters Road No.2, Songshanhu Hi-tech Development Zone, Dongguan, Guangdong, P.R. China</p>	

PERFORMED TESTS		RESULTS
38.3.4.1 T1	Altitude Simulation	PASS
38.3.4.2 T2	Thermal Test	PASS
38.3.4.3 T3	Vibration	PASS
38.3.4.4 T4	Shock	PASS
38.3.4.5 T5	External Short Circuit	PASS
38.3.4.6 T6	Impact/Crush	PASS
38.3.4.7 T7	Overcharge	PASS
38.3.4.8 T8	Forced Discharge	PASS

PRODUCT TEST INFORMATION

Model Number	Physical Description	Battery Weight (kg)	Wh Rating	Test Laboratory	Pass/Fail	Test Report Date
PSL-12200	Rechargeable Lithium Iron Phosphate Battery	2.6 kg	256Wh	TL4	Pass	7/1/2015
PSL-12450E	Rechargeable Lithium Iron Phosphate Battery	5.8 kg	579Wh	TL4	Pass	8/30/2018
PSL-12500	Rechargeable Lithium Iron Phosphate Battery	5.9 kg	640Wh	TL1	Pass	9/10/2019
PSL-SH-1260	Rechargeable Lithium Iron Phosphate Battery	0.8 kg	79.36Wh	TL1	Pass	5/8/2020
PSL-SH-1270	Rechargeable Lithium Iron Phosphate Battery	0.9 kg	92.16Wh	TL1	Pass	5/11/2020
PSL-SH-12110	Rechargeable Lithium Iron Phosphate Battery	5.9 kg	145.92Wh	TL1	Pass	5/11/2020
PSL-SC-1270	Rechargeable Lithium Iron Phosphate Battery	0.9 kg	92.16Wh	TL1	Pass	5/11/2020
PSL-SC-1290	Rechargeable Lithium Iron Phosphate Battery	1.0 kg	115.2Wh	TL1	Pass	5/8/2020
PSL-SC-12100	Rechargeable Lithium Iron Phosphate Battery	1.3 kg	128Wh	TL1	Pass	6/26/2019
PSL-SC-12120	Rechargeable Lithium Iron Phosphate Battery	1.65 kg	153.6Wh	TL1	Pass	6/11/2020
PSL-SC-12200	Rechargeable Lithium Iron Phosphate Battery	2.6 kg	256Wh	TL1	Pass	8/9/2019
PSL-SC-12350	Rechargeable Lithium Iron Phosphate Battery	4.4 kg	448Wh	TL1	Pass	8/9/2019
PSL-SC-12500	Rechargeable Lithium Iron Phosphate Battery	6.3 kg	640Wh	TL1	Pass	8/9/2019
PSL-SC-12750-G24	Rechargeable Lithium Iron Phosphate Battery	9.3 kg	960Wh	TL1	Pass	8/9/2019
PSL-SC-12800-G27	Rechargeable Lithium Iron Phosphate Battery	10.1 kg	1024Wh	TL1	Pass	5/8/2020
PSL-SC-121000-G31	Rechargeable Lithium Iron Phosphate Battery	12.8 kg	1280Wh	TL1	Pass	5/8/2020
PSL-SC-121250-G31	Rechargeable Lithium Iron Phosphate Battery	15.1 kg	1600Wh	TL1	Pass	5/15/2020
PSL-SC-121500-G8D	Rechargeable Lithium Iron Phosphate Battery	22.1 kg	1920Wh	TL1	Pass	4/24/2020
PSL-SC-122000-G8D	Rechargeable Lithium Iron Phosphate Battery	24.2 kg	2560Wh	TL1	Pass	8/9/2019

PRODUCT TEST INFORMATION


Model Number	Physical Description	Battery Weight (kg)	Wh Rating	Test Laboratory	Pass/Fail	Test Report Date
PSL-SC-122600-G8D	Rechargeable Lithium Iron Phosphate Battery	34.2 kg	3328Wh	TL1	Pass	8/9/2019
PSL-SC-123000-G8D	Rechargeable Lithium Iron Phosphate Battery	35.3 kg	3840Wh	TL1	Pass	4/24/2020
PSL-BTC-1290	Rechargeable Lithium Iron Phosphate Battery	1.2 kg	115Wh	TL4	Pass	1/17/2020
PSL-BTC-12120	Rechargeable Lithium Iron Phosphate Battery	1.6 kg	153.6Wh	TL4	Pass	1/17/2020
PSL-BTP-24100	Rechargeable Lithium Iron Phosphate Battery	2.75 kg	280Wh	TL4	Pass	3/6/2020
PSL-BTP-12200	Rechargeable Lithium Iron Phosphate Battery	3.0 kg	256Wh	TL4	Pass	2/28/2020
PSL-BTP-12500	Rechargeable Lithium Iron Phosphate Battery	6.5 kg	640Wh	TL4	Pass	2/28/2020
PSL-BTP-12750	Rechargeable Lithium Iron Phosphate Battery	9.8 kg	960Wh	TL4	Pass	2/28/2020
PSL-BTP-121000	Rechargeable Lithium Iron Phosphate Battery	14.7 kg	1280Wh	TL4	Pass	2/28/2020
PSL-BTP-121250	Rechargeable Lithium Iron Phosphate Battery	15.0 kg	1600Wh	TL4	Pass	3/5/2020
PSL-BTP-121500	Rechargeable Lithium Iron Phosphate Battery	20.2 kg	1920Wh	TL4	Pass	2/28/2020
PSL-BTP-122000	Rechargeable Lithium Iron Phosphate Battery	24.8 kg	2560Wh	TL4	Pass	3/16/2020
PSL-BTP-123000	Rechargeable Lithium Iron Phosphate Battery	37.7 kg	3840Wh	TL4	Pass	2/28/2020
PSL-BTP-24500	Rechargeable Lithium Iron Phosphate Battery	1.3 kg	128Wh	TL4	Pass	2/28/2020
PSL-FP-IFR18650EC	Lithium Iron Phosphate Cylindrical Cell	0.04 kg	4.8Wh	TL4	Pass	1/23/2014
PSL-FP-IFR18650PC	Lithium Iron Phosphate Cylindrical Cell	0.04 kg	3.52Wh	TL2	Pass	3/9/2013
PSL-FP-IFR26650PC	Lithium Iron Phosphate Cylindrical Cell	0.085 kg	8.4Wh	TL2	Pass	3/9/2013
PSL-FP-IFR26650EC	Lithium Iron Phosphate Cylindrical Cell	0.085 kg	10.88Wh	TL4	Pass	9/29/2018

PRODUCT TEST INFORMATION

Model Number	Physical Description	Battery Weight (kg)	Wh Rating	Test Laboratory	Pass/Fail	Test Report Date
PSL-FP-IFP027070180EC	Lithium Iron Phosphate Prismatic Cell	0.65 kg	80Wh	TL4	Pass	3/27/2017
PSL-FP-IFP30135185EC	Lithium Iron Phosphate Prismatic Cell	1.4 kg	160Wh	TL3	Pass	5/30/2019
PSL-FP-IFP36130200EC	Lithium Iron Phosphate Prismatic Cell	1.99 kg	320Wh	TL3	Pass	5/3/2018
PALP-12HY	Rechargeable Lithium Iron Phosphate Battery	1.2 kg	48Wh	TL5	Pass	5/8/2020
PALP-14AHY	Rechargeable Lithium Iron Phosphate Battery	1.1 kg	48Wh	TL5	Pass	4/28/2020
PALP-14HY	Rechargeable Lithium Iron Phosphate Battery	1.1 kg	48Wh	TL5	Pass	4/28/2020
PALP-14LAHY	Rechargeable Lithium Iron Phosphate Battery	1.1 kg	48Wh	TL5	Pass	7/30/2020
PALP-14LHY	Rechargeable Lithium Iron Phosphate Battery	1.1 kg	48Wh	TL5	Pass	7/30/2020
PALP-14ZSHY	Rechargeable Lithium Iron Phosphate Battery	1.2 kg	48Wh	TL5	Pass	4/28/2020
PALP-16HY	Rechargeable Lithium Iron Phosphate Battery	1.3 kg	60Wh	TL5	Pass	3/19/2020
PALP-20LHY	Rechargeable Lithium Iron Phosphate Battery	1.4 kg	72Wh	TL5	Pass	3/19/2020
PALP-30LHY	Rechargeable Lithium Iron Phosphate Battery	2.15 kg	96Wh	TL1	Pass	8/5/2020
PALP-4LHY	Rechargeable Lithium Iron Phosphate Battery	0.4 kg	18Wh	TL5	Pass	7/30/2020
PALP-50N18LAHY	Rechargeable Lithium Iron Phosphate Battery	1.7 kg	96Wh	TL5	Pass	4/29/2020
PALP-5LHY	Rechargeable Lithium Iron Phosphate Battery	0.65 kg	24Wh	TL5	Pass	3/19/2020
PALP-5ZSHY	Rechargeable Lithium Iron Phosphate Battery	0.59 kg	24Wh	TL5	Pass	3/23/2020
PALP-7AHY	Rechargeable Lithium Iron Phosphate Battery	0.9 kg	36Wh	TL5	Pass	3/19/2020
PALP-7ZSHY	Rechargeable Lithium Iron Phosphate Battery	0.65 kg	24Wh	TL5	Pass	3/19/2020
PALP-9HY	Rechargeable Lithium Iron Phosphate Battery	0.91 kg	36Wh	TL5	Pass	5/8/2020
PALP-C22SHY	Rechargeable Lithium Iron Phosphate Battery	0.42 kg	24Wh	TL5	Pass	4/24/2019

PRODUCT MANUFACTURER	BATTERY MANUFACTURER	
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Name and Title of Signatory

Signature _____ 

Puneet Kalia
Operations/Quality Director