

**LITHIUM BATTERIES TEST SUMMARY IN ACCORDANCE WITH SUB-SECTION 38.3 OF UN MANUAL OF TESTS AND CRITERIA REVISION 8**

	Module		Battery Assembly	
<b>Product Manufacturer</b>	<b>Applicant:</b> <b>Dometic Mobile Power Italy s.r.l.</b> Via Giovanni Pascoli, 96/98 65010 - Cappelle sul Tavo (PE) P.IVA: 02065080687		<b>Dometic Mobile Power Italy s.r.l.</b> Via Giovanni Pascoli, 96/98 65010 - Cappelle sul Tavo (PE) P.IVA: 02065080687	
<b>Product Description</b>	Type:	Lithium iron phosphate (LiFePO4) Module	Type:	Lithium iron phosphate (LiFePO4) Battery
	Model:	510.P1P250BB022	Model:	TEMPRA540F, TEMPRA540
	Watt-hour:	3456	Watt-hour:	6912
	Physical Description:	Cuboid Compound module 452P 12,8 V / 270 Ah Dimension L x W x H [mm]: 179 x 307 x 183	Physical Description:	Metallic box with plastic front panel Compound battery 2X4S2P 12,8 V / 540 Ah Dimension L x W x H [mm]: 370 x 349 x 190
Mass:	22 ± 0.5 Kg	Mass:	47,5 ± 0.3 kg.	

The batteries have been successfully tested and comply with UN Model Regulations, Manual of Tests and Criteria, Part III, sub-section 38.3 ST/SG/AC 10/11/Rev.8.

Battery Assembly:  Not applicable  UN38.3.3 (f)  UN38.3.3 (g)

**Test Laboratory:**

**Laboratory (I)**

Shenzhen Lionaces Technology Co.,Ltd.  
 Address 1: 301, Building B6, Junfeng Industrial Zone, Yonghe Road, Heping Community, Fuhai Street, Bohan District, Shenzhen Guangdong, China  
 Tel: 0755-28280690  
 e-mail: [service@lionaces.com](mailto:service@lionaces.com)  
 Date of

**Laboratory (II)**


InLab S.r.l  
 Via Ludwig Van Beethoven, 46/A  
 42122 Reggio Emilia (RE) (Italy)  
 Email: [info@inlab.srl](mailto:info@inlab.srl)  
 Tel: +39 0522 279310  
 Web site: [www.inlab.srl](http://www.inlab.srl)  
 Report No: 2602110857  
 Date of Report: 10/02/2026

**Laboratory (III)**

Mate S.r.l  
 Via Traversa Valdichiana Est, 175/A  
 53049 Torrita di Siena (SI) (Italy)  
 Email: [info@mate-lab.com](mailto:info@mate-lab.com)  
 Tel: +39 0577 687802  
 Web site: [www.mate-lab.com](http://www.mate-lab.com)  
 Report Test T3 No: INL\_070725\_01\_RP\_101\_00  
 Report Test T4 No: INL\_070725\_01\_RP\_101\_00  
 Date of Report: 10/02/2026

PERFORMED TESTS		RESULTS			
		Module 38.3.3 (b)	Test Lab.	Battery Assembly 38.3.3 (f)	Test Lab.
38.3.4.1 (ref. T1)	Altitude Simulation	Passed	(I)	N/A	
38.3.4.2 (ref. T2)	Thermal Test	Passed	(I)	N/A	
38.3.4.3 (ref. T3)	Vibration	Passed	(I)	Passed	(III)
38.3.4.4 (ref. T4)	Shock	Passed	(I)	Passed	(III)
38.3.4.5 (ref. T5)	External Short Circuit	Passed	(I)	Passed	(II)
38.3.4.6 (ref. T6)	Impact/Crush	Passed	(I)	N/A	-
38.3.4.7 (ref. T7)	Overcharge	Passed	(I)	Passed	(II)
38.3.4.8 (ref. T8)	Forced Discharge	Passed	(I)	N/A	-

Date: 10.02.2026  
 Name: Marco Di Muzio  
 Title: Managing Director



Signature