

**Battery Test Summary
 Subsection 38.3
 Tests and Criteria
 - Milwaukee -**




1. Cell, Battery or Product manufacture

Techtronic Industries GmbH
 Max-Eyth-Straße 10
 71364 Winnenden
 Germany

Tel: +49 (0) 7195 12-0
 Website: www.ttigroup.com

2. Battery Transportation Information

Model Type	Item description	Battery mass (kg)	Wh rating	Test report #	Test report date
M28BX	Lithium-Ion battery	0,999	84	RZUN2016-3430	23.04.2017
M28B5	Lithium-Ion battery	1,037	140	RZUN2017-1458	18.07.2017
C18B, M18B	Lithium-Ion battery	0,492, 0,411	27	RZUN2018-1346	07.05.2018
M18B2	Lithium-Ion battery	0,428	36	RZUN2017-2129	13.12.2017
C18B, M18BX, MV18BX	Lithium-Ion battery	0,492, 0,717, 0,813	54	RZUN2018-1345	22.05.2018
M18HB3	Lithium-Ion battery	0,609	54	RZUN2019-0515	29.01.2019
M18B4	Lithium-Ion battery	0,715	72	RZUN2019-2403	03.07.2019
M18B5	Lithium-Ion battery	0,726	90	RZUN2017-0558-M1	28.11.2018
M18HB5.5	Lithium-Ion battery	1,100	99	RZUN2018-3408	20.12.2018
M18B6	Lithium-Ion battery	0,752	108	RZUN2018-1420	18.06.2018
M18HB8	Lithium-Ion battery	1,086	144	RZUN2018-3407	06.01.2019
M18B9	Lithium-Ion battery	1,088	162	RZUN2018-1422	18.06.2018
M18HB12	Lithium-Ion battery	1,531	216	RZUN2017-2358	04.02.2018
C14B, M14B	Lithium-Ion battery	0,347, 0,345	22	RZUN2016-3423	06.04.2017
C14BX, M14BX	Lithium-Ion battery	0,621, 0,578	44	RZUN2016-3415	26.03.2017
C12B, M12B	Lithium-Ion battery	0,200, 0,179	18	RZUN2018-1402	12.07.2018
M12B2	Lithium-Ion battery	0,187	24	RZUN2018-1729	12.07.2018
M12B3	Lithium-Ion battery	0,190	36	RZUN2018-1419	18.06.2018
C12BX, M12BX	Lithium-Ion battery	0,405	36	RZUN2016-3422	28.03.2017
M12B4	Lithium-Ion battery	0,416	48	RZUN2017-2132	21.12.2017
M12B6	Lithium-Ion battery	0,423	72	RZUN2018-1418	18.06.2018
M4B2	Lithium-Ion battery	0,070	8	RZUN2017-2130	13.12.2017
L4B2	Lithium-Ion battery	0,070	10	RZUN2017-2089	1.11.2017

TTI-EMEA Techtronic Industries GmbH Max-Eyth-Straße 10 71364 Winnenden, Germany Revision: 11 Nov 2019 Rev. No.: 1.3	Battery Test Summary Subsection 38.3 Tests and Criteria - Milwaukee -	
---	--	---

<u>Description of cell or battery:</u> Battery used in consumer power tools		
Reference to assembled battery testing, if applicable: not applicable	Reference to the revised edition of the Manual of Tests and Criteria used and to amendments, if any: Revision 6, Amendment 1	<u>For air transport only</u> Does the cell or battery comply with the 30% state of charge? Yes

3. Test summary

Contact information test laboratory	Performed Tests		
	Vkan Certification & Testing Co. Ltd Address: No.3, Tiantaiyi Road, Kaitai Avenue, Science City, Guangzhou P. R. China. Tel.: 020 32293888 Fax: 020 32293889 E-Mail: office@cvc.org.cn Web: http://www.cvc.org.cn	38.3.4.1 --- T1	Altitude Simulation
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

TTI-EMEA
Techtronic Industries GmbH
Max-Eyth-Straße 10
71364 Winnenden, Germany

Revision: 11 Nov 2019
Rev. No.: 1.3

**Battery Test Summary
Subsection 38.3
Tests and Criteria
- Milwaukee -**



4. Product Classification for Transport (UN)

UN CLASSIFICATION

PROPER SHIPPING NAME

UN 3480

Lithium-Ion batteries

Document creation date

11.11.2019

This document remains valid as no changes, modification, or additions are made to the model(s) described in this document, after transported from a Manufacture Techtronic Industries GmbH facility.

The model(s) has (have) been classified according to the applicable transport regulations and the UN Manual of Tests and Criteria as of the date of the certification. The model(s) must packaged, labeled and documented according to country and international regulations for transportation.

5. Responsible person

A handwritten signature in blue ink, appearing to read 'M. Wieler', is written over a large, light blue, semi-transparent TTI logo watermark that spans the width of the page.

i.A. Maximilian Wieler

Manager Approvals, Associations and Standards
Techtronic Industries GmbH

Tel.: +49 (0) 7195 12-275

E-Mail: maximilian.wieler@tti-emea.com