

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




## 1. Cell, Battery or Product manufacture

Techtronic Industries GmbH  
 Max-Eyth-Straße 10  
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 Germany

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## 2. Battery Transportation Information

Model Type	Item description	Battery mass (kg)	Wh rating	Test report #	Test report date
BSPL1213	Lithium-Ion battery	0,178	15,6	RZUN2017-2139	06.11.2017
RB18L13	Lithium-Ion battery	0,422	24	RZUN2019-3134	05.12.2019
RB14L25	Lithium-Ion battery	0,308	36	RZUN2016-3465	16.08.2017
RB18L15	Lithium-Ion battery	0,454	27	RZUN2018-4034-M1	24.03.2019
RB18L20	Lithium-Ion battery	0,444	36	RZUN2018-4782	14.03.2019
RB18L25	Lithium-Ion battery	0,461	45	RZUN2018-2078-M1	27.02.2019
RB18L30	Lithium-Ion battery	0,756	54	RZUN2018-2102	28.09.2018
RB18L40	Lithium-Ion battery	0,725	72	RZUN2019-2045	27.05.2019
RB18L50	Lithium-Ion battery	0,737	90	RZUN2019-2628	30.07.2019
RB18L90	Lithium-Ion battery	1,185	162	RZUN2017-1656	02.08.2017
BSPL1220	Lithium-Ion battery	0,183	22	RZUN2020-2008	26.10.2020
BPL3626D2	Lithium-Ion battery	1,352	93,6	RZUN2018-0858	06.02.2018
BPL3640D2	Lithium-Ion battery	1,400	144	RZUN2018-2107-M1	31.10.2019
BPL3650D2	Lithium-Ion battery	1,436	180	RZUN2017-1400	14.06.2017
RY36B60A	Lithium-Ion battery	2,027	216	RZUN2019-3526	25.12.2019
RY36B90A	Lithium-Ion battery	2,151	324	RZUN2019-3007	07.10.2019
RB18L15B	Lithium-Ion battery	0,416	27	RZUN2018-3511	22.01.2019
RY36B12A	Lithium-Ion battery	2,758	432	RZUN2020-0750	29.04.2020
BPL3620D	Lithium-Ion battery	0,852	72	RZUN2018-2363-M1	07.03.2019
RB1840X	Lithium-Ion battery	0,720	72	RZUN2020-1954-M1 RZUN2021-0253-M1	02.06.2021 25.03.2021
RB1820C	Lithium-Ion battery	0,426	36	RZUN2021-0925	12.03.2021
RB1850X	Lithium-Ion battery	0,765	90	RZUN2021-2217	28.05.2021
RB1825C	Lithium-Ion battery	0,447	45	RZUN2021-3199	10.08.2021
RB1815C	Lithium-Ion battery	0,421	27	RZUN2021-0851 RZUN2020-0748	03.03.2021 24.04.2021
RB1860X	Lithium-Ion battery	0,763	108	RZUN2021-1376	01.04.2021
RY36B40B	Lithium-Ion battery	1,326	144	RZUN2021-0189-M1	02.09.2021
RY36B20B	Lithium-Ion battery	0,825	72	RZUN2021-3058	11.08.2021
RY36B50B	Lithium-Ion battery	1,396	180	RZUN2021-3202	24.08.2021
RB420	Lithium-Ion battery	0,059	7,2	RZUN2021-5672	22.12.2021

<b>TTI-EMEA</b> Techtronic Industries GmbH Max-Eyth-Straße 10 71364 Winnenden, Germany  <b>Revision: 19.04.2022</b> <b>Rev. No.: 6</b>	<b>Battery Test Summary</b> <b>Subsection 38.3</b> <b>Tests and Criteria</b> <b>- Ryobi -</b>	
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<p><u>Description of cell or battery:</u></p> <p>Battery used in consumer power tools</p>		
Reference to assembled battery testing, if applicable:  <b>not applicable</b>	Reference to the revised edition of the Manual of Tests and Criteria used and to amendments, if any:  <b>Revision 6, Amendment 1</b>	<u>For air transport only</u> Does the cell or battery comply with the 30% state of charge?  <b>Yes</b>

### 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	<b>Pass</b>
38.3.4.3 --- T3		Vibration	<b>Pass</b>
38.3.4.4 --- T4		Shock	<b>Pass</b>
38.3.4.5 --- T5		External Short Circuit	<b>Pass</b>
38.3.4.6 --- T6		Impact / Crush	<b>Pass</b>
38.3.4.7 --- T7		Overcharge	<b>Pass</b>
38.3.4.8 --- T8		Forced Discharge	<b>Pass</b>

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## 4. Product Classification for Transport (UN)

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**UN CLASSIFICATION**

**PROPER SHIPPING NAME**

UN 3480

Lithium-Ion batteries

Document creation date

11.04.2022

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

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

i.A. Maximilian Wieler

Manager Approvals, Associations and Standards

Techtronic Industries GmbH

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