

Easy Pack XL

3.7 V | 2,400 mAh nominal | 8.9 WH | VKB: 56456 702 099 (SoC 50%, EOL), 56456 702 012 (SoC 30%)

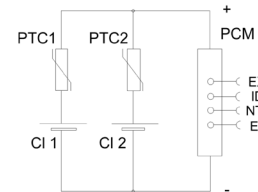


Distributed by:



MM: month two digits | Y: year one digit |
R: week one digit

Circuit Diagram

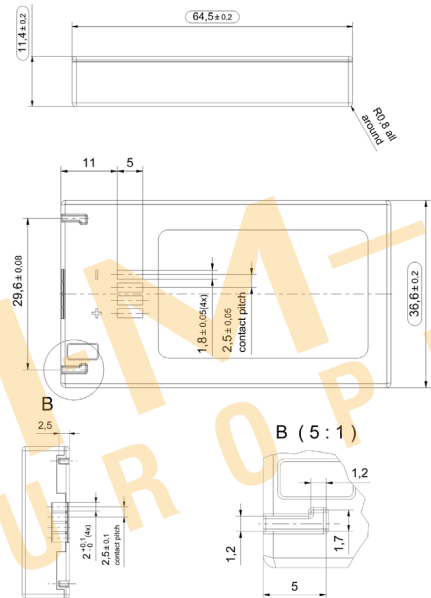


GENERAL (Battery with safety circuit and plastic housing)

Cell	LPP 503562 S
PCM	Yes
NTC	10 kΩ ± 1 %; B-value 3,435 K ± 1 %
ID	24 kΩ ± 1 %
Configuration	2P
Weight	Approx. 48 g

ELECTRICAL SPECIFICATION

Nominal voltage	3.7 V
Rated capacity at (0.5 C / 0.2 C), 23 °C ± 5 °C	2,300 mAh min., 2,400 mAh nominal
Watt-hour rating	8.9 Wh
Charging method	Constant current + constant voltage
Max. charge voltage	4.2 V
Max. continuous charge current	2,300 mA
Rec. charge cut off	By current 23 mA or timer 3.5 h
Max. continuous discharge current	3,200 mA (limited by PCM)
Rec. discharge cut off	3 V
Internal impedance	Approx. 68 mΩ
Exp. cycle life at (1.0 C / 1.0 C), 23 °C ± 5 °C	≥ 500 cycles ≥ 70 %



CELL & BATTERY PROTECTION

Overcharge detection	4.3 V ± 0.02 V (0.8 sec. to 1.2 sec. delay, release 4.1 V ± 0.03 V)
Overdischarge detection	2.4 V ± 0.035 V (76.8 msec. to 115.2 msec. delay, remove loader and charging current)
Overcurrent detection	3.2 A to 5.2 A (9.6 msec. to 14.4 msec. delay)

ENVIRONMENTAL CONDITIONS

Charge	0 °C to +45 °C
Discharge	-10 °C to +60 °C
Storage	1 month at -20 °C to +60 °C ≥ 80 % 3 months at -20 °C to +45 °C ≥ 80 % 1 year at -20 °C to +30 °C ≥ 80 %
Humidity	0 to 85 RH %

SAFETY CERTIFICATIONS

Please follow VARTA handling and safety precautions for Lilon & LiPolymer.

The cell used is a UL recognized component according to UL1642 and IEC62133-2 and IEC62133 ed.2 certified.

The battery meets the requirements of battery directives and the battery parts are RoHS-compliant.

The battery is UL 2054 listed and certified according to IEC62133 3-2, IEC62133 ed.2 and UN38.3.

VARTA Storage GmbH - Rev No. 12 0920 714/221, 12 0920 803580

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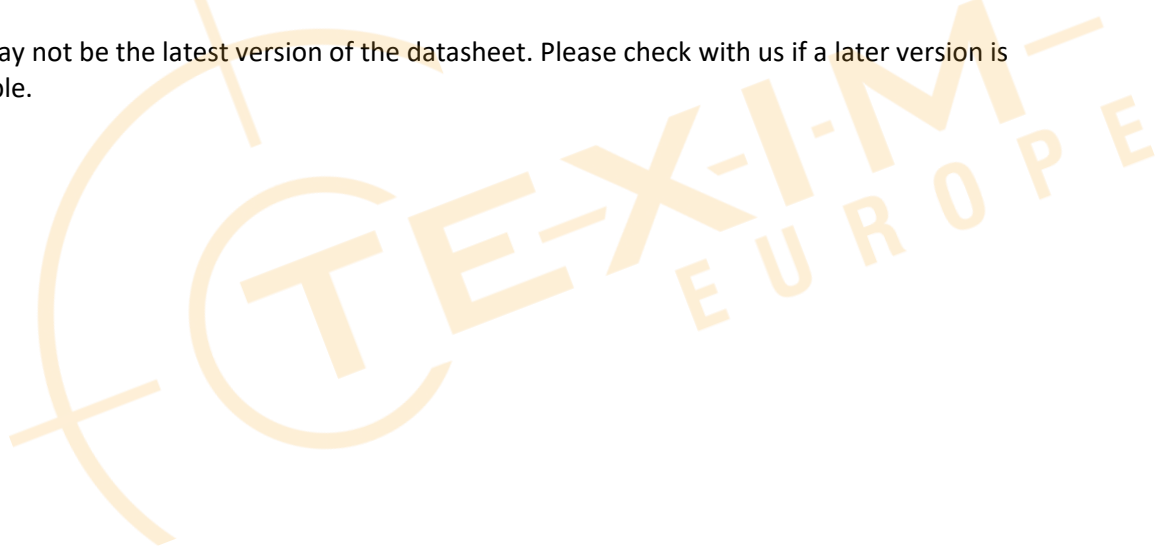
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





Headquarters & Warehouse

Elektrostraat 17
NL-7483 PG Haaksbergen
The Netherlands

T: +31 (0)53 573 33 33
E: info@texim-europe.com
Homepage: www.texim-europe.com



The Netherlands

Elektrostraat 17
NL-7483 PG Haaksbergen

T: +31 (0)53 573 33 33
E: nl@texim-europe.com



Belgium

Zuiderlaan 14, box 10
B-1731 Zellik

T: +32 (0)2 462 01 00
E: belgium@texim-europe.com



UK & Ireland

St Mary's House, Church Lane
Carlton Le Moorland
Lincoln LN5 9HS

T: +44 (0)1522 789 555
E: uk@texim-europe.com



Germany - North

Bahnhofstrasse 92
D-25451 Quickborn

T: +49 (0)4106 627 07-0
E: germany@texim-europe.com



Germany - South

Martin-Kollar-Strasse 9
D-81829 München

T: +49 (0)89 436 086-0
E: muenchen@texim-europe.com



Austria

Warwitzstrasse 9
A-5020 Salzburg

T: +43 (0)662 216 026
E: austria@texim-europe.com



Nordic

Søndre Jagtvej 12
DK-2970 Hørsholm

T: +45 88 20 26 30
E: nordic@texim-europe.com



Italy

Martin-Kollar-Strasse 9
D-81829 München

T: +49 (0)89 436 086-0
E: italy@texim-europe.com