

EasyPack L

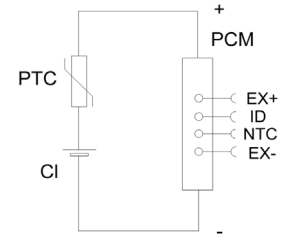
3.7 V | 1,200 mAh nominal | 4.5 Wh | VKB: 56456 701 099 (SoC 50%, EOL), 56456 701 012 (SoC 30%)



Distributed by:



Circuit Diagram



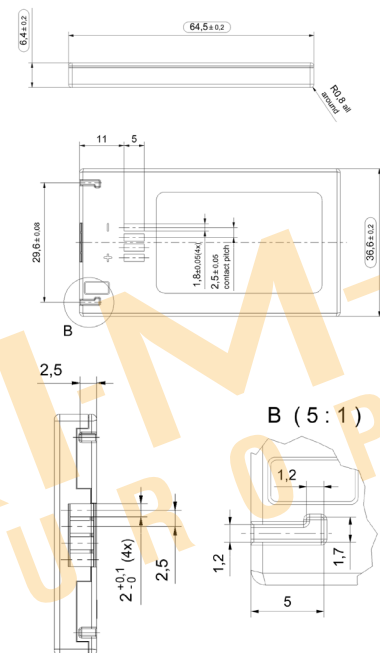
MM: month two digits | Y: year one digit |
R: week one digit

GENERAL (Battery with safety circuit and plastic housing)

Cell	LPP 503562 S
PCM	Yes
NTC	10 k Ω \pm 1 %; B-value K 3,435 \pm 1 %
ID	10 k Ω \pm 1 %
Configuration	1S
Weight	Approx. 26 g

ELECTRICAL SPECIFICATION

Nominal voltage	3.7 V
Rated capacity at (0.5 C / 0.2 C), 23 $^{\circ}$ C \pm 5 $^{\circ}$ C	1,150 mAh min., 1,200 mAh nominal
Watt-hour rating	4.5 Wh
Charging method	Constant current + constant voltage
Max. charge voltage	4.2 V
Max. continuous charge current	1,150 mA
Rec. charge cut off	By current 11.5 mA or timer 3.5 h
Max. continuous discharge current	2,100 mA (limited by PTC)
Rec. discharge cut off	3 V
Internal impedance	Approx. 99 m Ω
Exp. cycle life at (1.0 C / 1.0 C), 23 $^{\circ}$ C \pm 5 $^{\circ}$ C	\geq 500 cycles \geq 70 %

**CELL & BATTERY PROTECTION**

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

ENVIRONMENTAL CONDITIONS

Charge	0 $^{\circ}$ C to +45 $^{\circ}$ C
Discharge	-10 $^{\circ}$ C to +60 $^{\circ}$ C
Storage	1 month at -20 $^{\circ}$ C to +60 $^{\circ}$ C \geq 80 % 3 months at -20 $^{\circ}$ C to +45 $^{\circ}$ C \geq 80 % 1 year at -20 $^{\circ}$ C to +30 $^{\circ}$ C \geq 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 IEC 62133 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. 14_0920 714220_14_0920 803561

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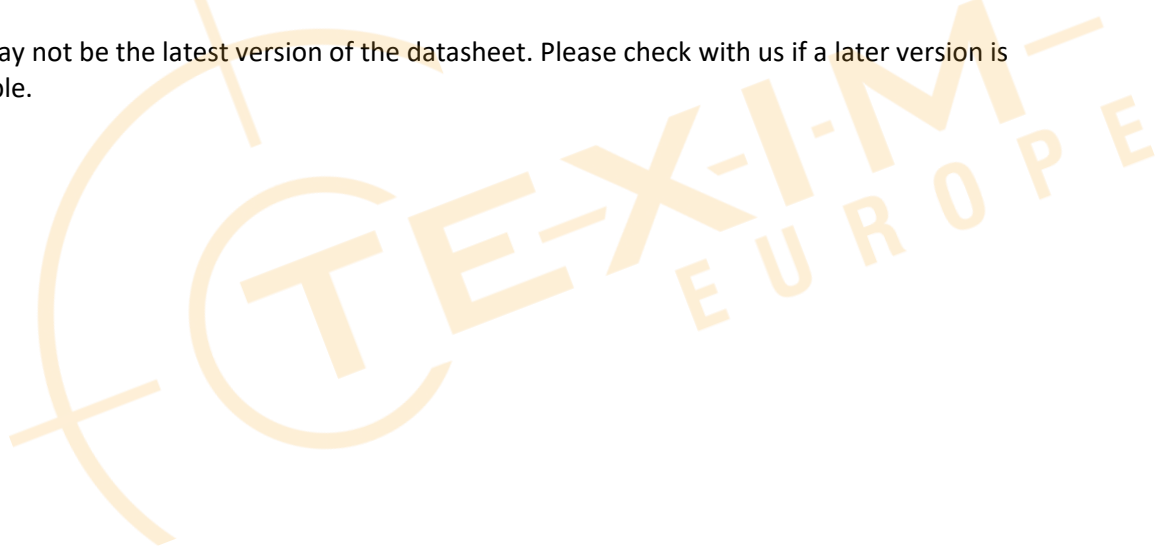
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

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.





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