

Easy Pack S



3.7 V | 660 mAh nominal | 2.5 Wh | VKB: 56455 701 099 (SoC 50%, EOL), 56455 701 014(SoC 30%)



VARTA EasyPack

Rechargeable Li-Polymer Battery
EZPack S
56455 701 099 - 1ICP5/34/41
3.7V 660mAh 2.5Wh

Do not: incinerate, disassemble, short terminals, expose to high temp. above 140°F (60°C), risk of fire, explosion

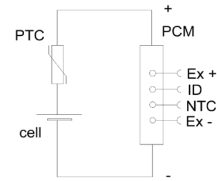
VARTA Storage GmbH



Assembled in Indonesia

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

Circuit Diagram



GENERAL (Battery with safety circuit and plastic housing)

Cell	LPP 441443 S
PCM	Yes
NTC	10 kΩ ± 1 %; B-value 3,435 K ± 1 %
ID	3.9 kΩ ± 1 %
Configuration	1S
Weight	Approx. 15 g

ELECTRICAL SPECIFICATION

Nominal voltage	3.7 V
Rated capacity at (0.5 C / 0.2 C), 23 °C ± 5 °C	630 mAh min., 660 mAh nominal
Watt-hour rating	2.5 Wh
Charging method	Constant current + constant voltage
Max. charge voltage	4.2 V (± 0.05 V)
Max. continuous charge current	630 mA
Rec. charge cut off	By current 6.3 mA or timer 3.5 h
Max. continuous discharge current	1,260 mA (limited by cell)
Rec. discharge cut off	3 V
Internal impedance	Approx. 115 mΩ
Exp. cycle life at (1.0 C / 1.0 C), 23 °C ± 5 °C	≥ 500 cycles ≥ 70 %

CELL & BATTERY PROTECTION

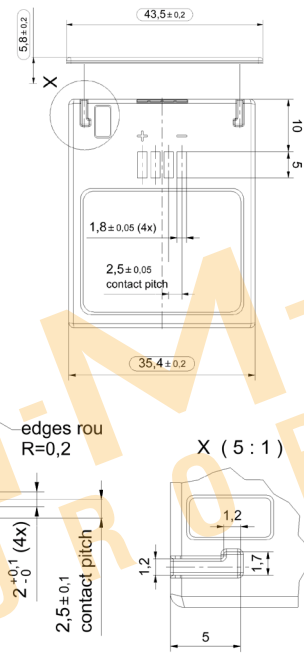
Overcharge detection	4.3 V ± 0.02 V (0.8 sec. to 1.2 sec. delay, resume 4.1 V ± 0.03 V)
Overdischarge detection	2.4 V ± 0.035 V (76.8 msec. to 115.2 msec. delay, resume remove load and charging current)
Overcurrent detection	3.2 A to 5.2 A (9.6 msec. to 14.4 msec. delay)

ENVIRONMENTAL CONDITIONS

Charge	0 °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 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 IEC6321 33-2, IEC62133 ed.2 and UN38.3.



Disclaimer

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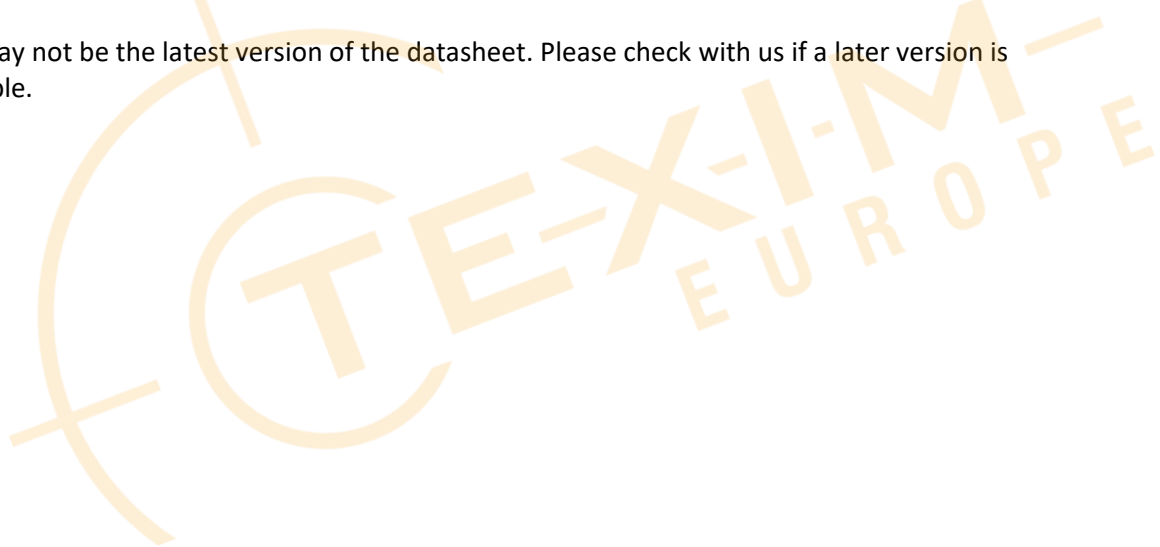
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

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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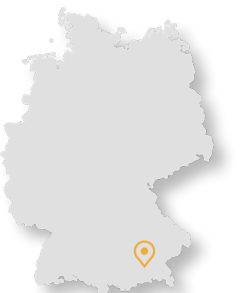
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