



Easy Pack XL

3.7 V | 2,400 mAh nominal | 8.9 Wh | 56456 702 012 (SoC 30%)

VARTA Storage GmbH - Rev No. 1- 0325

Distributed by:



WW = Calendar Week | YY = Year

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	2300 mA
Rec. charge cut off	by current 23mA or time 3.5h
Max. continuous discharge current	2800mA (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	4.280 ± 0.040V (50 to 150msec. delay, release 4.280 ± 0.050V)
Overdischarge detection	2.500 ± 0.080V (10 to 40msec. delay, release 2.500 ± 0.080V)
Overcurrent detection	2.8A to 7.5A (5.0 to 15.0 msec. delay)

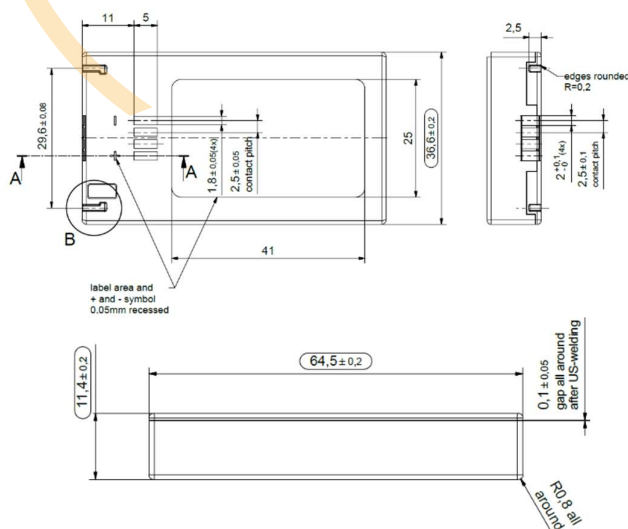
ENVIROMENTAL CONDITIONS

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 62133-2. The battery meets the requirements of battery directives and the battery part are RoHS-compliant. The battery is UL 2054 listed and certified according to IEC6321 33-2 and UN38.3

Minimum order quantity: 300 pcs / Order multiples: 100 pcs - Product for OEM customers only!



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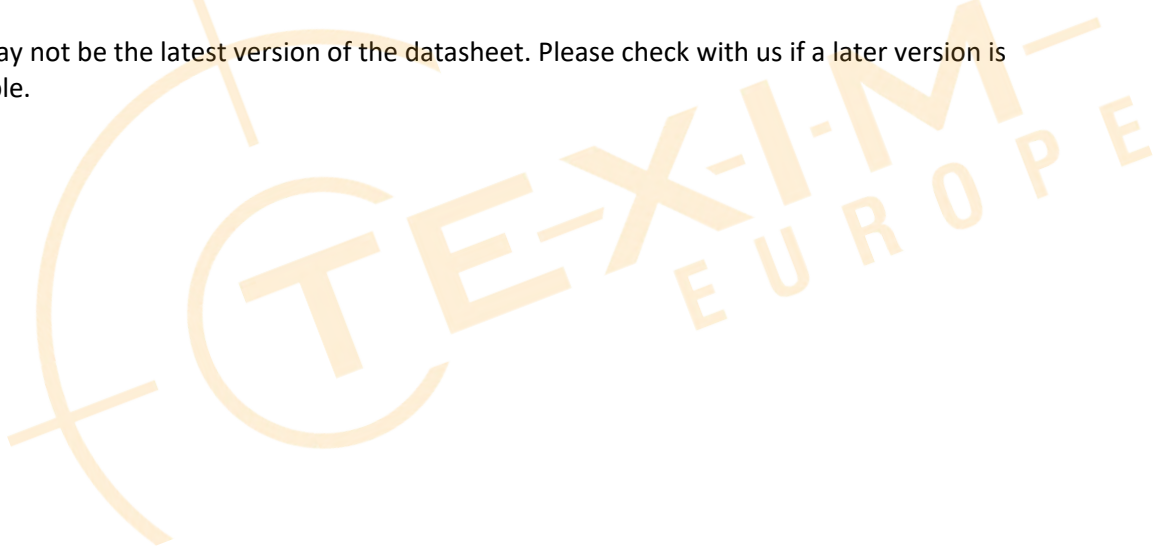
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

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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