



1/LPP 503759 8HH PCM W

3.7 V | 1,400 mAh nominal | 5.2 Wh | VKB: 56427 201 022 (SoC 30%)

VARTA Storage GmbH - Rev No. 1- 0426

Distributed by:



WW = Calendar Week | YY = Year

ELECTRICAL SPECIFICATION

Nominal voltage	3.7 V
Rated capacity at (0.5 C / 0.2 C), 23 °C ± 5 °C	1,320 mAh min., 1,400 mAh nominal
Watt-hour rating	5.2 Wh
Charging method	Constant Current + Constant Voltage
Max. charge voltage	4.2 V (± 0.05 V)
Max. continuous charge current	1,500 mA (limited by PCM)
Rec. charge cut off	50 mA or timer 2.5 h
Max. continuous discharge current	2,000 mA (limited by PCM)
Rec. discharge cut off	3 V
Internal impedance	Approx. 100 mΩ
Exp. cycle life at (1.0 C / 0.5 C), 23 °C ± 2 °C	500 cycles ≥ 83 %

GENERAL

(Battery pack with safety circuit and wires)

Wire	AWG24 UL1007 (red wire (+), white wire (NTC), black wire (-))
Cell	LPP 503759 8HH SOC30
PCM	Yes
NTC	10 kΩ ± 1 %; B-value 3,380 K
ID	None
Configuration	1S
Weight	Approx. 25 g

CELL&BATTERY PROTECTION

Overcharge detection	4.275 V ± 0.025 V (0.7 sec. to 1.3 sec. delay, resume 4.275 V ± 0.025 V)
Overdischarge detection	2.3 V ± 0.058 V (14 msec. to 26 msec. delay, resume 2.3 V ± 0.058 V)
Overcurrent detection	2.0 A to 5.5 A (8 msec. to 16 msec. delay at discharge)

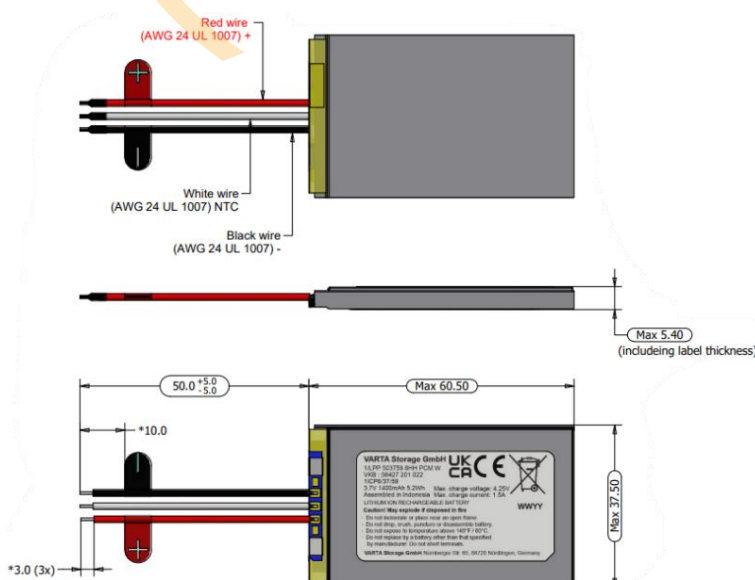
ENVIRONMENTAL CONDITIONS

Charge	0 °C to +45 °C
Discharge	-20 °C to +60 °C
Storage	1 month at +23°C ≥ 89 % 1 month at +45°C ≥ 85 % 1 year at +23°C ≥ 85 %
Humidity	65 ± 20 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 parts are RoHS-compliant. The battery is certified according to IEC62133-2 and UN38.

Minimum order quantity: 600 pcs / Order multiples: 120 pcs - Product for OEM customers only!



Disclaimer

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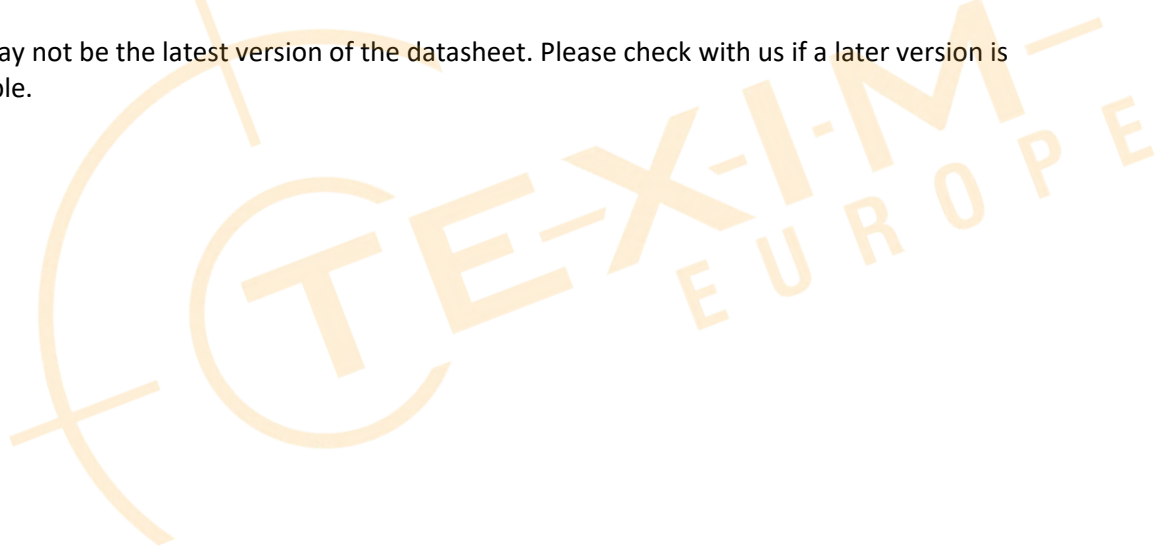
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

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.





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

Bahnhofstrasse 92
D-25451 Quickborn

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



Germany

Martin-Kollar-Strasse 9
D-81829 München

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



Austria

Martin-Kollar-Strasse 9
D-81829 München

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



Nordic

Stockholmsgade 45
2100 Copenhagen

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