



1/LPP 523450 S PCM W

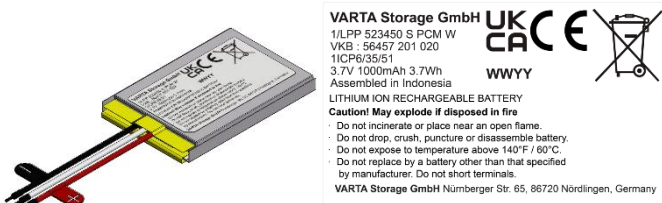
3.7 V | 1,000 mAh nominal | 3.7 Wh | VKB: 56457 201 020 (SoC 30%)

VARTA Storage GmbH - Rev No. 1- 0626

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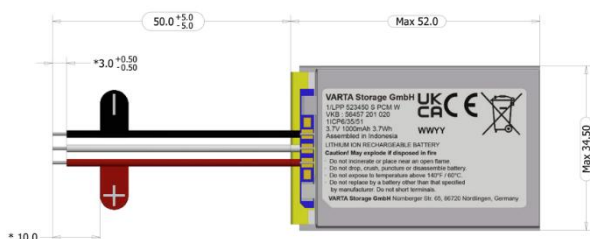
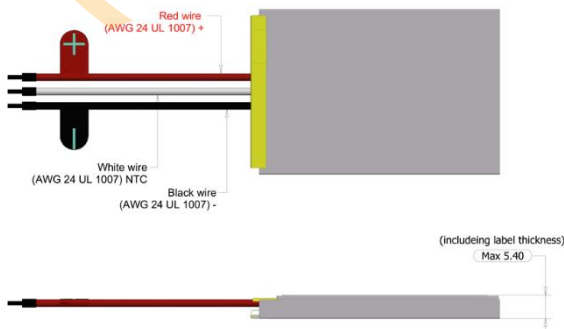


VARTA Storage GmbH
1/LPP 523450 S PCM W
VKB : 56457 201 020
1(ICP6/35/51
3.7V 1000mAh 3.7Wh
Assembled in Indonesia
LITHIUM ION RECHARGEABLE BATTERY
Caution! May explode if disposed in fire
Do not incinerate or place near an open flame.
Do not drop, crush, puncture or disassemble battery.
Do not expose to temperature above 140°F / 60°C.
Do not replace by a battery other than that specified by manufacturer. Do not short terminals.
VARTA Storage GmbH Nürtinger Str. 65, 86720 Nürtingen, Germany

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	950 mAh min., 1000 mAh nominal
Watt-hour rating	3.7 Wh
Charging method	Constant Current + Constant Voltage
Max. charge voltage	4.2 V (± 0.05 V)
Max. continuous charge current	1000 mA (limited by cell)
Rec. charge cut off	10 mA or timer 3.5 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 / 1.0 C), 23 °C ± 5 °C	500 cycles ≥ 80 %



GENERAL

(Battery pack with safety circuit and wires)

Wire	AWG24 UL1007 (red wire (+), white wire (NTC), black wire (-))
Cell	LPP 523450 S
PCM	Yes
NTC	10 kΩ ± 1%; B-value 3,380 K
ID	None
Configuration	1S
Weight	Approx. 20 g

CELL&BATTERY PROTECTION

Overcharge detection	4.275 V ± 0.025 V (0.7 sec. to 1.3 sec. delay, release 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)

ENVIRONMENTAL CONDITIONS

Charge	0 °C to +45 °C
Discharge	-20 °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	85 ± 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 UN38.3

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

Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

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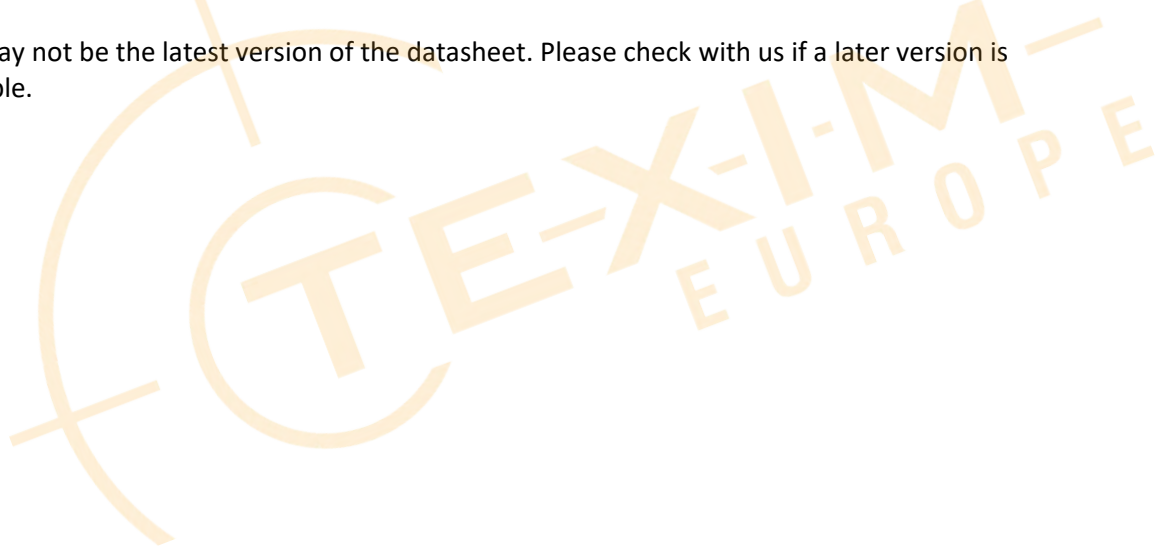
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

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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