

Product Information



2P/LPP 503562 S PCM WC

▶ VKB 56456 302 012

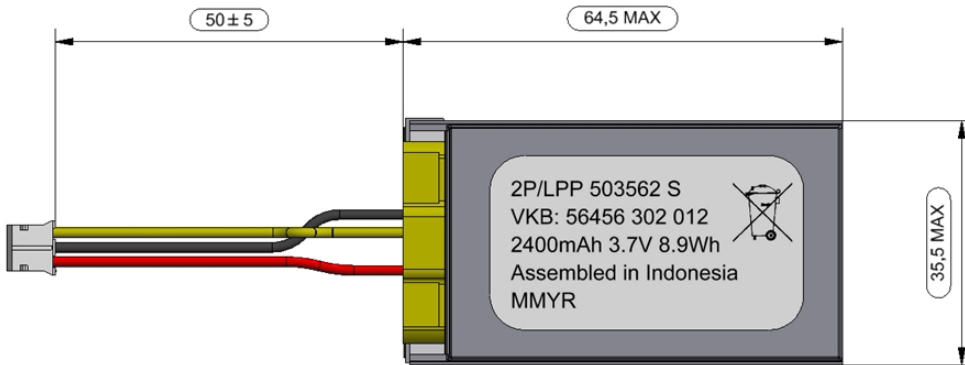
Distributed by:



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2P/LPP 503562 S
 VKB: 56456 302 012
 2400mAh 3.7V 8.9Wh
 Assembled in Indonesia
 MMYR

MM ▶ month two digits
 Y ▶ year one digit
 R ▶ week one digit



1. GENERAL

Battery Pack including safety circuit & wires with connector

Cell	▶ LPP 503562 S
PCM	▶ Yes
NTC	▶ 10kΩ ± 1%; B-value 3435K ± 1%
ID	▶ None
Configuration	▶ 2P stack up
Weight	▶ appr. 45g

2. ELECTRICAL SPECIFICATION

Rated Capacity	▶ 2300mAh min., 2400mAh nominal
Nominal Voltage	▶ 3.7V
Watt-Hour Rating	▶ 8.9Wh
Charging Method	▶ Constant Current + Constant Voltage
Max. Charge Voltage:	▶ 4.2V
Max. Continuous Charge Current:	▶ 1150mA (limited by cell DS)
Rec. Charge Cut Off:	▶ 23mA or timer 3.5h
Max. Continuous Discharge Current:	▶ 2000mA (limited by connector)
Rec. Discharge Cut Off:	▶ 3V
Internal Impedance:	▶ approx. 90mΩ
Expected Cycle Life @ (1.0C/1.0C) @ 23.5°C	▶ 500 cycles > 70%

CELL PROTECTION

Overcharge Detection	▶ 4.3V ± 20mV (0.8 to 1.2sec. delay, resume 4.1V ± 30mV)
Overdischarge Detection:	▶ 2.4V ± 35mV (76.8 to 115.2msec. delay, @ remove loader & charging current)
Overcurrent Detection	▶ 3.2A to 5.2A (9.6 to 14.4msec. delay @ discharge)

3. AMBIENT CONDITIONS

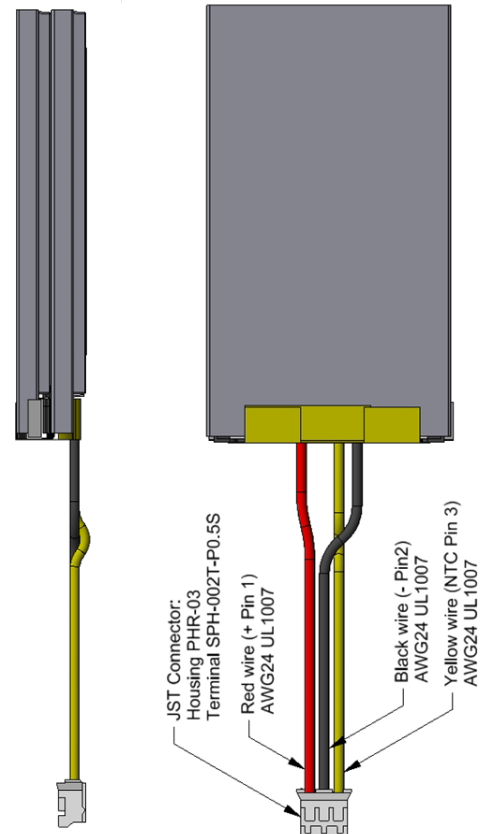
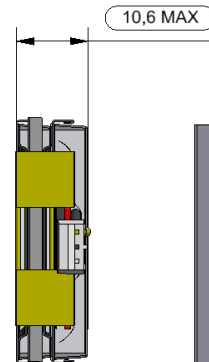
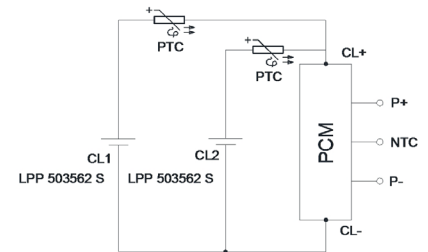
Temperature Range	
• Charge	▶ 0 to +45°C
• Discharge	▶ -20 to +60°C
• Storage with >80% capacity recovery	▶ 1 year at -20 to +30°C ▶ 3 months at -20 to +45°C ▶ 1 month at -20 to +60°C
• Humidity	▶ 65 ± 20%RH

4. ENVIRONMENTAL AND SAFETY

Please follow VARTA Handling and Safety Precautions for Lilon & LiPolymer.
 The cell used is a UL recognized component according to UL1642 and UN 38.3 certified.
 The cell is IEC 62133 edition 2 certified.
 This battery meets the requirements of Battery Directives and the battery parts are RoHS-Compliant.

Minimum Order Quantity: 600 pcs / Order Multiples: 120 pcs - Product for OEM customers only!

Circuit Diagram



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