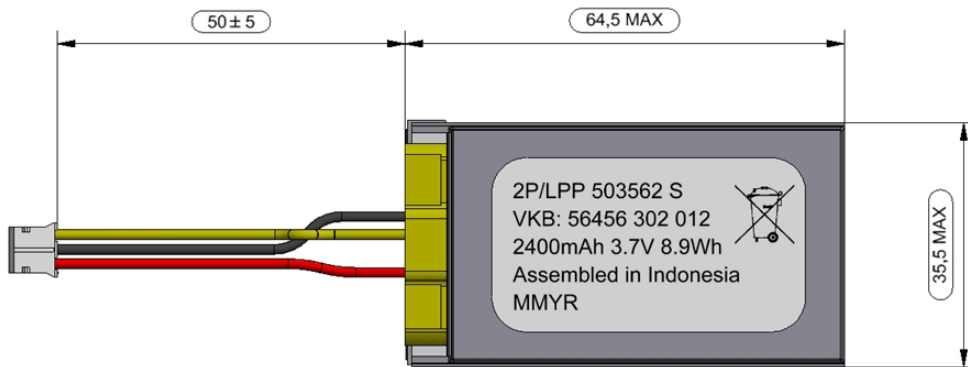


Product Information

2P/LPP 503562 S PCM WC

► VKB 56456 302 012



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	► $10k\Omega \pm 1\%$; B-value $3435K \pm 1\%$
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. 90m Ω
Expected Cycle Life @ (1.0C/1.0C) @ 23.5°C	► 500 cycles > 70%

CELL PROTECTION

Overcharge Detection	► $4.3V \pm 20mV$ (0.8 to 1.2sec. delay, resume $4.1V \pm 30mV$)
Overdischarge Detection:	► $2.4V \pm 35mV$ (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	► $65 \pm 20\%RH$

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

