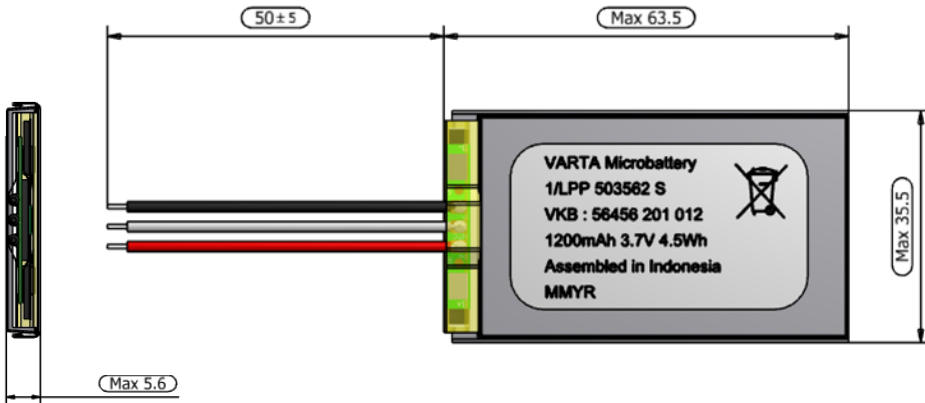


Product Information



1/LPP 503562 S PCM W
 ▶ VKB 56456 201 012



VARTA Microbattery
 1/LPP 503562 S
 VKB : 56456 201 012
 1200mAh 3.7V 4.5Wh
 Assembled in Indonesia
 MMYR

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

1. GENERAL

Battery with safety circuit & wires

Cell	▶ LPP 503562 S
PCM	▶ Yes
NTC	▶ 10kΩ ± 1%; B-value 3380
ID	▶ None
Configuration	▶ 1S
Weight	▶ appr. 23g

2. ELECTRICAL SPECIFICATION

Rated Capacity	▶ 1150mAh min., 1200mAh nominal
Nominal Voltage	▶ 3.7V
Watt-Hour Rating	▶ 4.5Wh
Charging Method	▶ Constant Current + Constant Voltage
Max. Charge Voltage:	▶ 4.2V
Max. Continuous Charge Current:	▶ 1150mA (limited by cell DS)
Rec. Charge Cut Off:	▶ 11.5mA or timer 2.0h
Max. Continuous Discharge Current:	▶ 2A (limited by PCM)
Rec. Discharge Cut Off:	▶ 3V
Internal Impedance:	▶ approx. 100mΩ
Expected Cycle Life @ (1.0C/1.0C) @ 23.5°C	▶ 500 cycles > 70%

CELL PROTECTION

Overcharge Detection	▶ 4.275V ± 25mV (0.7 to 1.3sec. delay, resume 4.275V ± 25mV)
Overdischarge Detection:	▶ 2.3V ± 58mV (14 to 26msec. delay, resume 2.3V ± 58mV)
Overcurrent Detection	▶ 2A to 4.5A (8 to 16msec. delay @ discharge)

3. AMBIENT CONDITIONS

Temperature Range	
• Charge	▶ 0 to +45°C
• Discharge	▶ -20 to +60°C
• Storage with >60% 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

