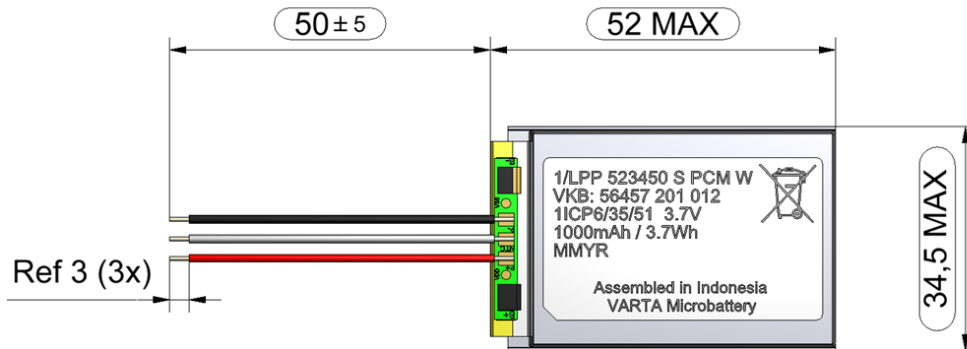


Product Information



1/LPP 523450 S PCM W
 ▶ VKB 56457 201 012



1/LPP 523450 S PCM W
 VKB: 56457 201 012
 1ICP6/35/51 3.7V
 1000mAh / 3.7Wh
 MMYR
 Assembled in Indonesia
 VARTA Microbattery

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

1. GENERAL

Battery Pack incl. safety circuit & wires

Cell	▶ LPP 523450 S
PCM	▶ Yes
NTC	▶ 10kΩ ±1%; B-value 3380K
ID	▶ None
Configuration	▶ 1S layflat
Weight	▶ appr. 20g

2. ELECTRICAL SPECIFICATION

Rated Capacity	▶ 950mAh min., 1000mAh typical
Nominal Voltage	▶ 3.7V
Watt-Hour Rating	▶ 3.7Wh
Charging Method	▶ Constant Current + Constant Voltage
Max. Charge Voltage:	▶ 4.2V
Max. Continuous Charge Current:	▶ 1000mA (limited by cell DS)
Rec. Charge Cut Off:	▶ 10mA or timer 3.5h
Max. Continuous Discharge Current:	▶ 2000mA (limited by cell DS)
Rec. Discharge Cut Off:	▶ 3V
Internal Impedance:	▶ approx. 100mΩ
Expected Cycle Life @ (1C/1C) @ 23 ±5°C	▶ 500 cycles ≥ 800mAh

CELL PROTECTION

Overcharge Detection	▶ 4.275V ±25mV (0.7 to 1.3sec. delay, release 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)

3. AMBIENT CONDITIONS

Temperature Range

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

4. ENVIRONMENTAL AND SAFETY

Please follow VARTA Handling and Safety Precautions for Lilon & LiPolymer.

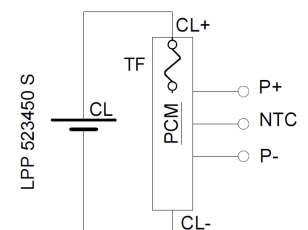
The cell used is a UL recognized component according to UL1642 and UN 38.3 certified.

The cell is IEC 62133 edition 2 certified.

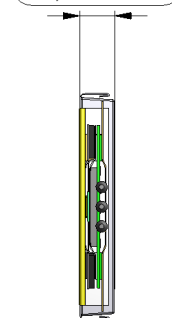
This battery meets the requirements of Battery Directives and the battery parts are RoHS-Compliant.

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

Circuit Diagram



5,3 MAX



Red wire (+)
 (AWG24 UL 1007)
 White wire (NTC)
 (AWG24 UL 1007)
 Black wire (-)
 (AWG24 UL 1007)

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