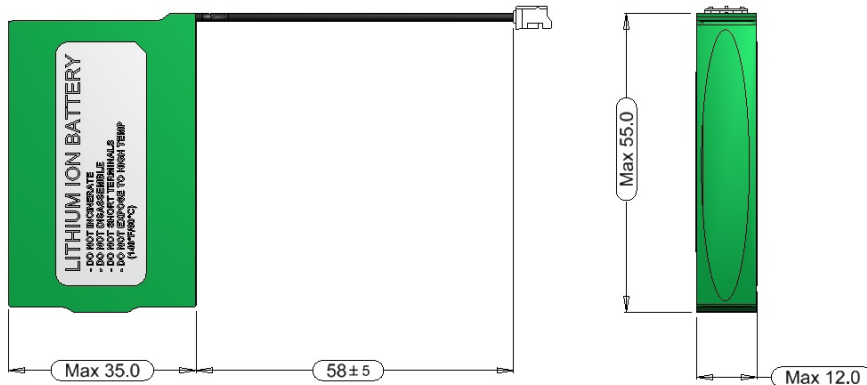


Product Information

1/LIP 103450 SC PCM S WC

► VKB 56429 201 015



1. GENERAL

Li-Ion Battery Pack in shrink sleeve including safety circuit and wire connector

Cell	► LIP 103450 SC
PCM	► Yes
NTC	► 10 kΩ ± 1%; B-Value = 3435 ± 1%
ID	► None
Configuration	► 1S
Weight	► appr. 43g

2. ELECTRICAL SPECIFICATION

Rated Capacity	► 2000mAh min., 2030mAh typical
Nominal Voltage	► 3.7V
Watt-Hour Rating	► 7.4Wh
Charging Method	► Constant Current + Constant Voltage
Max. Charge Voltage [V]:	► 4.2 (±50mV)
Max. Continuous Charge Current:	► 1500mA (limited by PCM)
Rec. Charge Cut Off:	► 100mA or timer 3h
Max. Continuous Discharge Current:	► 1500mA (limited by PCM)
Rec. Discharge Cut Off:	► 3V
Internal Impedance:	► approx. 140mΩ
Expected Cycle Life @ (0.5C/0.5) @ 20°C	► 300 cycles >80% of min. capacity ► 500 cycles >70% of min. capacity

CELL PROTECTION

Overcharge Detection	► 4.275V ± 25mV (0.96 to 1.4sec. delay, resume 4.075V ± 50mV, remove charge current)
Overdischarge Detection:	► 2.30V ± 50mV (30 to 46msec. delay, resume 2.3V ± 100mV @ charge current)
Overcurrent Detection	► 5.2A to 8.0A (7.2 to 11msec. delay)

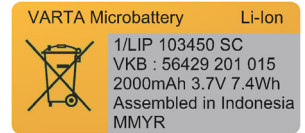
3. AMBIENT CONDITIONS

Temperature Range	
• Charge	► 0 to +45°C
• Discharge	► -20 to +60°C
• Storage Temperature	► 1 year at -20 to +20°C > 80% ► 3 months at -20°C to +45°C > 80% ► 1 month at -20°C 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 UN38.3 certified.
This battery meets the requirements of Battery Directives and the battery parts are RoHS-Compliant.

Minimum Order Quantity: 500 pcs / Order Multiples: 100 pcs - Product for OEM customers only!



MM ► month two digits
Y ► year one digit
R ► plant one digit

Circuit Diagram

