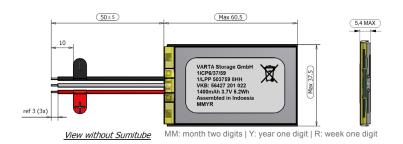
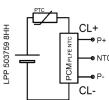


3.7 V | 1,400 mAh nominal | 5.2 Wh | VKB: 56427 201 022



Circuit Diagram



GENERAL (Battery pack in shrink sleeve incl. safety circuit and wires)

Wire AWG24 UL1007 (red wire (+), white wire (NTC), black wire (-))

Cell LPP 503759 8HH

PCM Yes

NTC 10 k Ω ± 1 %; B-value 3,380 K

ID None Configuration 1S

Weight Approx. 25 g

ELECTRICAL SPECIFICATION

Nominal voltage 3.7 V

Watt-hour rating 5.2 Wh

Charging method Constant current + constant voltage

Max. charge voltage $4.2 \text{ V} (\pm 0.05 \text{ V})$

Max. continuous charge current 1,980 mA (limited by cell)
Rec. charge cut off 50 mA or timer 2.5 h

Max. continuous discharge current 2,000 mA (limited by PCM)

Rec. discharge cut off 3 V

Internal impedance Approx. 100 m Ω Exp. cycle life at (1.0 C / 0.5 C), 23 °C ± 2 °C \geq 500 cycles \geq 83 %

CELL & BATTERY PROTECTION

Overcharge detection 4.275 V \pm 0.025 V (0.7 sec. to 1.3 sec. delay, resume 4.275 V \pm 0.025 V)
Overdischarge detection 2.3 V \pm 0.058 V (14 msec. to 26 msec. delay, resume 2.3 V \pm 0.058 V)
Overcurrent detection 2 A to 4.5 A (8 msec. to 16 msec. delay at discharge)

ENVIRONMENTAL CONDITIONS

SAFETY CERTIFICATIONS

Please follow VARTA handling and safety precautions for Lilon & LiPolymer.

The cell used is a UL recognized component according to UL1642 and IEC 62133 ed. 2 certified.

The battery meets the requirements of battery directives and the battery parts are RoHS-compliant.

The battery is certified according to UN38.3, IEC62133 ed.2 and IEC62133-2.

