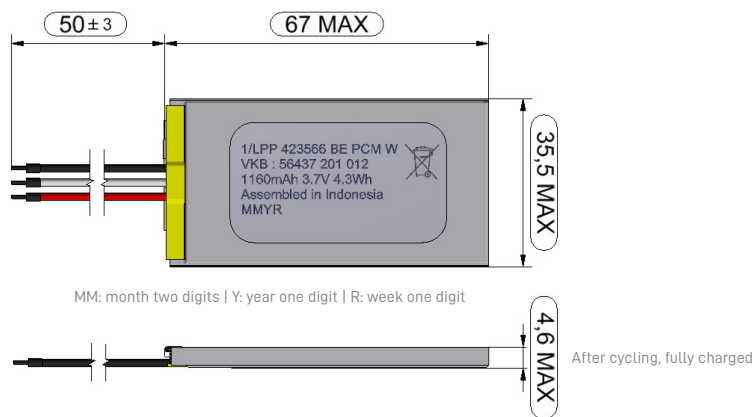


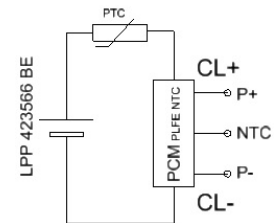
# 1/LPP 423566 BE PCM W



3.7 V | 1,160 mAh nominal | 4.3 Wh | VKB: 56437 201 012



Circuit Diagram



## GENERAL (Battery pack incl. safety circuit and wires)

Wire	AWG24 UL1007 (red wire (+), white wire (NTC), black wire (-))
Cell	LPP 423566 BE
PCM	Yes
NTC	10 k $\Omega$ $\pm$ 1 %; B-value 3,380 K $\pm$ 1 %
ID	None
Configuration	1S
Weight	Approx. 26 g

## ELECTRICAL SPECIFICATION

Nominal voltage	3.7 V
Rated capacity at (0.5 C / 0.2 C), 25 °C $\pm$ 5 °C	1,130 mAh min., 1,160 mAh nominal
Watt-hour rating	4.3 Wh
Charging method	Constant current + constant voltage
Max. charge voltage	4.2 V ( $\pm$ 0.05 V)
Max. continuous charge current	1,130 mA (limited by cell)
Rec. charge cut off	By current 20 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. 120 m $\Omega$
Exp. cycle life at (0.5 C / 0.5 C), 20 °C	$\geq$ 400 cycles $\geq$ 75 %

## 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	2.0 A to 4.0 A (8 msec. to 16 msec. delay)

## ENVIRONMENTAL CONDITIONS

Charge	0 °C to +45 °C
Discharge	-20 °C to +60 °C
Storage	1 month at -20 °C to +45 °C $\geq$ 85 % 3 months at -20 °C to +45 °C $\geq$ 80 % 1 year at -20 °C to +35 °C $\geq$ 80 %
Humidity	0 to 85 RH %

## SAFETY CERTIFICATIONS

Please follow VARTA handling and safety precautions for Lilon & LiPolymer.  
The cell used is a UL recognized component according to UL1642, IEC62133 ed.2 and IEC62133-2.  
The battery meets the requirements of battery directives and the battery parts are RoHS-compliant.  
The battery is certified according to IEC62133-2 and UN38.3.