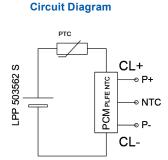
# **VARTA**

## 3.7 V | 1,200 mAh nominal | 4.5 Wh | VKB: 56456 201 012

# 1/LPP 503562 S PCM W VKB : 56456 201 012 11CPP59569 0 3.7V 1200mAh / 4.5Wh MMYR Assembled in Indonesia VARTA Storage GmbH View without Summitube

MM: month two digits | Y: year one digit | R: week one digit

# (Max 5.6)



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

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

Cell LPP 503562 S

PCM Ye

NTC 10 k $\Omega$  ± 1 %; B-value 3,380 K

ID None Configuration 1S

Weight Approx. 23 g

### **ELECTRICAL SPECIFICATION**

Nominal voltage 3.7 V

Rated capacity at (0.5 C / 0.2 C), 23  $^{\circ}$ C  $\pm$  5  $^{\circ}$ C 1,150 mAh min., 1,200 mAh nominal

Watt-hour rating 4.5 Wh

Charging method Constant current + constant voltage

Max. charge voltage 4.2 V

Max. continuous charge current 1,150 mA (limited by cell)
Rec. charge cut off 11.5 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 $\Omega$  Exp. cycle life at (1.0 C / 1.0 C), 23 °C ± 5 °C  $\geq$  500 cycles  $\geq$  70 %

**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 4.5 A (8 msec. to 16 msec. delay at discharge)

### **ENVIRONMENTAL CONDITIONS**

Charge  $\begin{array}{c} 0 \ ^{\circ}\text{C to } +45 \ ^{\circ}\text{C} \\ \text{Discharge} \end{array}$ 

Storage 1 month at -20 °C to +60 °C  $\geq$  80 %

3 months at -20 °C to +45 °C  $\geq$  80 % 1 year at -20 °C to +30 °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 and IEC62133-2 and IEC62133 ed.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.

