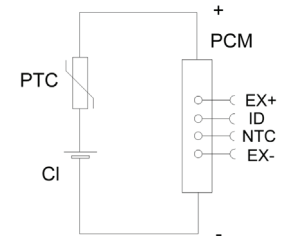




MM: month two digits | Y: year one digit |  
 R: week one digit

### Circuit Diagram

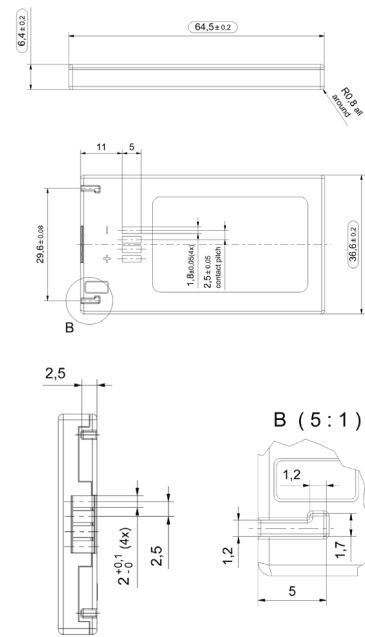


### GENERAL (Battery with safety circuit and plastic housing)

Cell	LPP 503562 S
PCM	Yes
NTC	10 kΩ ± 1 %; B-value K 3,435 ± 1 %
ID	10 kΩ ± 1 %
Configuration	1S
Weight	Approx. 26 g

### ELECTRICAL SPECIFICATION

Nominal voltage	3.7 V
Rated capacity at (0.5 C / 0.2 C), 23 °C ± 5 °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
Rec. charge cut off	By current 11.5 mA or timer 3.5 h
Max. continuous discharge current	2,100 mA (limited by PTC)
Rec. discharge cut off	3 V
Internal impedance	Approx. 99 mΩ
Exp. cycle life at (1.0 C / 1.0 C), 23 °C ± 5 °C	≥ 500 cycles ≥ 70%



### CELL & BATTERY PROTECTION

Overcharge detection	4.3 V ± 0.02 V (0.8 sec. to 1.2 sec. delay, resume 4.1 V ± 0.03 V)
Overdischarge detection	2.4 V ± 0.035 V (76.8 sec. to 115.2 msec. delay, resume remove load and charging current)
Overcurrent detection	3.2 A to 5.2 A (9.6 msec. to 14.4 msec. delay)

### ENVIRONMENTAL CONDITIONS

Charge	0 °C to +45 °C
Discharge	-10 °C to +60 °C
Storage	1 month at -20 °C to +60 °C ≥ 80 % 3 months at -20 °C to +45 °C ≥ 80 % 1 year at -20 °C to +30 °C ≥ 80 %
Humidity	65 ± 20 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 IEC 62133 ed. 2 certified.  
 The battery meets the requirements of battery directives and the battery parts are RoHS-compliant.  
 The battery is UL 2054 listed and certified according to IEC 62133 ed. 2 and UN 38.3.