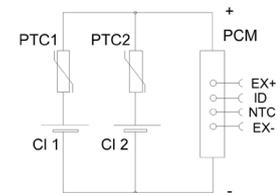




MM: month two digits | Y: year one digit |
 R: week one digit

Circuit Diagram

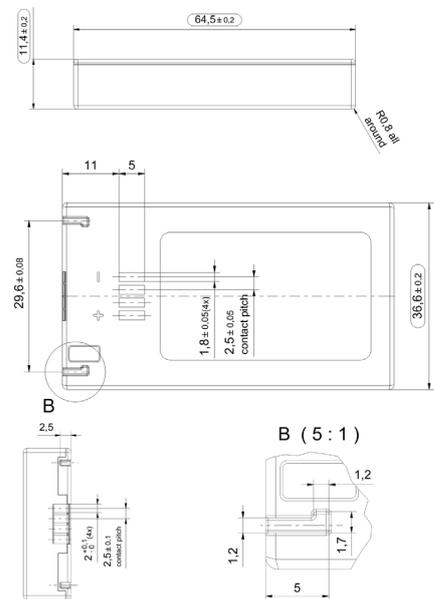


GENERAL (Battery with safety circuit and plastic housing)

| | |
|---------------|------------------------------------|
| Cell | LPP 503562 S |
| PCM | Yes |
| NTC | 10 kΩ ± 1 %; B-value 3,435 K ± 1 % |
| ID | 24 kΩ ± 1 % |
| Configuration | 2P |
| Weight | Approx. 48 g |

ELECTRICAL SPECIFICATION

| | |
|--|-------------------------------------|
| Nominal voltage | 3.7 V |
| Rated capacity at (0.5 C / 0.2 C), 23 °C ± 5 °C | 2,300 mAh min., 2,400 mAh nominal |
| Watt-hour rating | 8.9 Wh |
| Charging method | Constant current + constant voltage |
| Max. charge voltage | 4.2 V |
| Max. continuous charge current | 2,300 mA |
| Rec. charge cut off | By current 23 mA or timer 3.5 h |
| Max. continuous discharge current | 3,200 mA (limited by PCM) |
| Rec. discharge cut off | 3 V |
| Internal impedance | Approx. 68 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, release 4.1 V ± 0.03 V) |
| Overdischarge detection | 2.4 V ± 0.035 V (76.8 msec. to 115.2 msec. delay, remove loader 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 | 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 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 IEC6213 3-2, IEC62133 ed.2 and UN38.3.