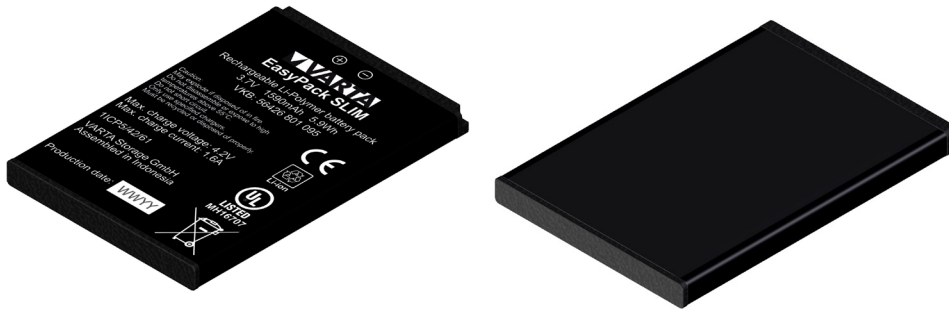


Product Information

1/LPP 454261 8TH PCM MM
EZPack SLIM ▶ VKB 56426 801 095



Distributed by:



WW ▶ week two digits
YY ▶ year two digits

1. GENERAL

Battery with safety circuit and plastic metal combination

- Cell ▶ LPP 454261 8TH
- PCM ▶ Yes
- NTC ▶ 10 kΩ ±1%; B-Value 3435K ±1%
- ID ▶ None
- Configuration ▶ 1P
- Weight ▶ appr. 34g

2. ELECTRICAL SPECIFICATION

- Rated Capacity at 1C/0.2C, 23 ±2°C ▶ 1530mAh min., 1590mAh nominal
- Nominal Voltage ▶ 3.7V
- Watt-Hour Rating ▶ 5.9Wh
- Charging Method ▶ Constant Current + Constant Voltage
- Max. Charge Voltage: ▶ 4.2V (±0.05V)
- Max. Continuous Charge Current: ▶ 1.6A (limited by PCM)
- Rec. Charge Cut Off: ▶ by current 50mA or time 2.5h
- Max. Continuous Discharge Current: ▶ 1.6A (limited by PCM)
- Rec. Discharge Cut Off: ▶ 3V
- Internal Impedance: ▶ approx. 100mΩ fully charged
- Expected Cycle Life at 1C/0.5C, 23 ±2°C ▶ 500 cycles ≥67% of initial cap.

CELL PROTECTION

- Overcharge Detection ▶ 4.275V ±0.025V (0.7 to 1.3sec. delay, resume 4.275V ±0.025V)
- Overdischarge Detection: ▶ 2.3V ±0.058V (14 to 26msec. delay, resume 2.3V ±0.058V)
- Overcurrent Detection ▶ discharge: 1.7A to 4.5A (11 to 21msec. delay)
charge: 1.6A to 5A (8 to 16msec. delay)

3. AMBIENT CONDITIONS

- Temperature Range
 - Charge ▶ 0°C to +45°C
 - Discharge ▶ -20°C to +55°C
 - Storage ▶ 28 days at +23°C ≥89%
28 days at +45°C ≥85%
1 year at +23°C ≥85%
- Humidity ▶ 65 ±20%RH

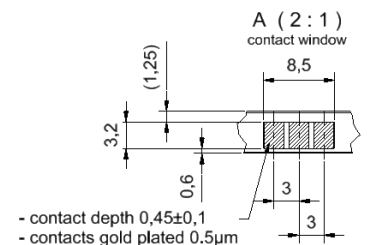
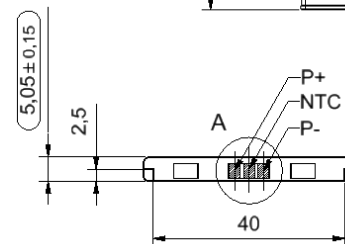
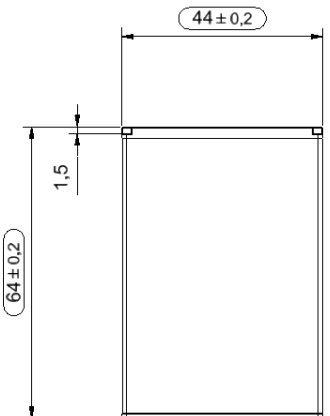
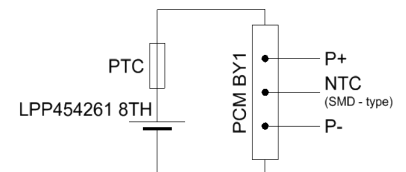
4. ENVIRONMENTAL AND SAFETY

Please follow VARTA Handling and Safety Precautions for Lilon & LiPolymer.
The cell is approved according UL1642 and UN 38.3 certified.
This battery meets the requirements of Battery Directives and the battery parts are RoHS-Compliant.
This battery is UL 2054 listed and certified according to IEC 62133 edition 2.

Minimum Order Quantity: 300 pcs / Order Multiples: 150 pcs - Product for OEM customers only!

Protection Circuit Module

Circuit diagram



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