

Product Information

1/LPP 443441 S PCM PC
EZPack S ▶ VKB 56455 701 099



MM ▶ month two digits
Y ▶ year one digit
R ▶ week one digit

1. GENERAL

Battery with safety circuit and plastic housing

Cell	▶ LPP 443441 S
PCM	▶ Yes
NTC	▶ 10 kΩ ±1%; B-Value 3435K ±1%
ID	▶ 3.9 kΩ ±1%
Configuration	▶ 1S
Weight	▶ appr. 15g

2. ELECTRICAL SPECIFICATION

Rated Capacity	▶ 630mAh min., 660mAh typical
Nominal Voltage	▶ 3.7V
Watt-Hour Rating	▶ 2.4Wh
Charging Method	▶ Constant Current + Constant Voltage
Max. Charge Voltage:	▶ 4.2V
Max. Continuous Charge Current:	▶ 630mA
Rec. Charge Cut Off:	▶ by current 6.3mA or time 3.5h
Max. Continuous Discharge Current:	▶ 1260mA (limited by cell)
Rec. Discharge Cut Off:	▶ 3V
Internal Impedance:	▶ approx. 115 mΩ
Expected Cycle Life @ (1C/1C) @ 23 ±5°C	▶ >500 cycles >70% of initial cap.

CELL PROTECTION

Overcharge Detection	▶ 4.3 ±0.02V (0.8 to 1.2sec. delay, resume 4.1V ±0.03V)
Overdischarge Detection:	▶ 2.40V ±0.035V (76.8 to 115.2msec. delay, resume remove load & charging current)
Overcurrent Detection	▶ 3.2A to 5.2A (9.6 to 14.4msec. delay)

3. AMBIENT CONDITIONS

Temperature Range	
• Charge	▶ 0 to +45°C
• Discharge	▶ -10 to +60°C
• Storage	▶ Less than 1 month at -20 to +60°C ▶ Less than 3 months at -20°C to +45°C ▶ Less than 1 year at -20°C to +30°C
• 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: 750 pcs / Order Multiples: 150 pcs - Product for OEM customers only!

Protection Circuit Module

