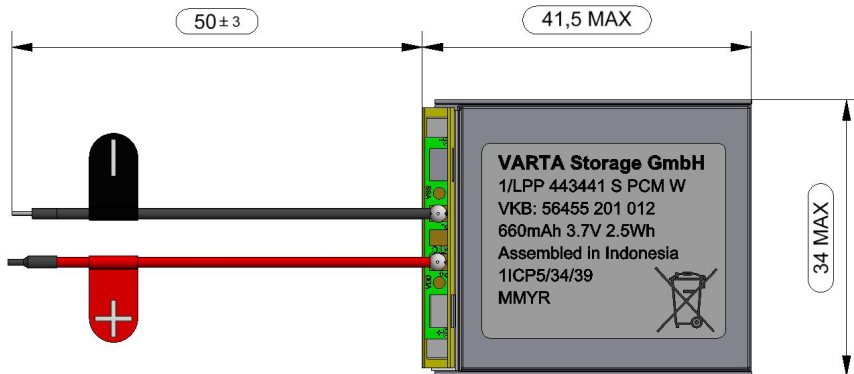


Product Information



1/LPP 443441 S PCM W
 ▶ VKB 56455 201 012



VARTA Storage GmbH
 1/LPP 443441 S PCM W
 VKB: 56455 201 012
 660mAh 3.7V 2.5Wh
 Assembled in Indonesia
 1ICP5/34/39
 MMYR

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

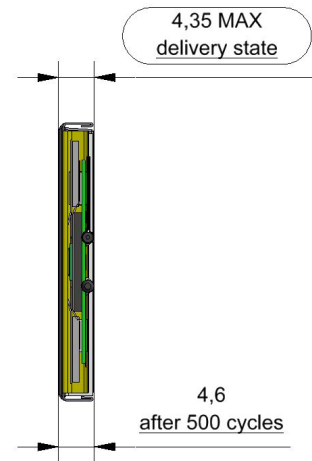
1. GENERAL

Battery Pack including safety circuit and wires

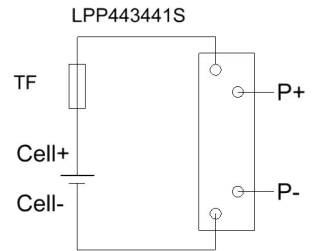
Cell	▶ LPP 443441 S
PCM	▶ Yes
NTC	▶ None
ID	▶ None
Configuration	▶ 1S
Weight	▶ appr. 13g

2. ELECTRICAL SPECIFICATION

Rated Capacity	▶ 630mAh min., 660mAh nominal
Nominal Voltage	▶ 3.7V
Watt-Hour Rating	▶ 2.5Wh
Charging Method	▶ Constant Current + Constant Voltage
Max. Charge Voltage:	▶ 4.2V (±50mV)
Max. Continuous Charge Current:	▶ 630mA (limited by cell DS)
Rec. Charge Cut Off:	▶ 6.3mA or timer 2.5h
Max. Continuous Discharge Current:	▶ 1260mA (limited by cell DS)
Rec. Discharge Cut Off:	▶ 3V
Internal Impedance:	▶ approx. 130mΩ
Expected Cycle Life @ (1C/1C) @ 23 ±5°C	▶ 500 cycles ≥70%



Circuit Diagram



CELL PROTECTION

Overcharge Detection	▶ 4.275V ± 25mV (0.7 to 1.3sec. delay, resume 4.275V ± 25mV)
Overdischarge Detection:	▶ 2.30V ± 58mV (14 to 26msec. delay, resume 2.3V ± 58mV)
Overcurrent Detection	▶ 2.0A to 4.5A (8 to 16msec. delay @ discharge)

3. AMBIENT CONDITIONS

Temperature Range	▶ 0 to +45°C
• Charge	▶ -10 to +60°C
• Discharge	▶ 1 year at -20 to + 30°C with >80% capacity recovery
• Storage Temperature	▶ 3 months at -20 to 45°C with >80% capacity recovery
	▶ 1 month at -20 to 60°C with >80% capacity recovery
• Humidity	▶ 65 ± 20%RH

4. ENVIRONMENTAL AND SAFETY

Please follow VARTA Handling and Safety Precautions for Lilon & LiPolymer.
 The cell used is a UL recognized component according to UL1642.
 This battery meets the requirements of Battery Directives and the battery parts are RoHS-Compliant.
 The battery is certified according to IEC62133 edition 2 and UN 38.3.

Minimum Order Quantity: 600 pcs / Order Multiples: 120 pcs - Product for OEM customers only!

