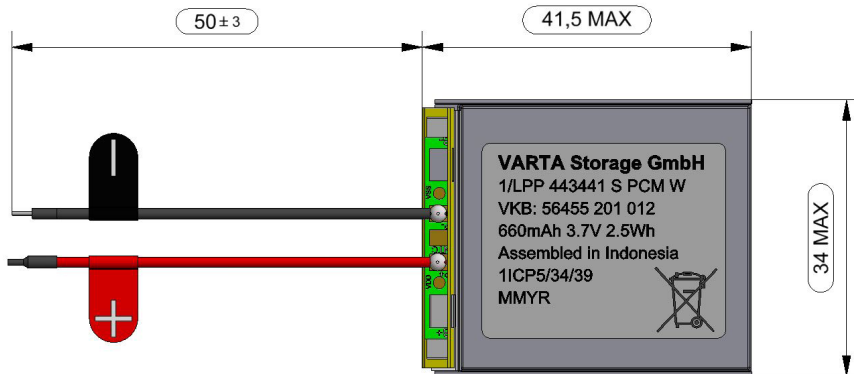


Product Information



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%

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)

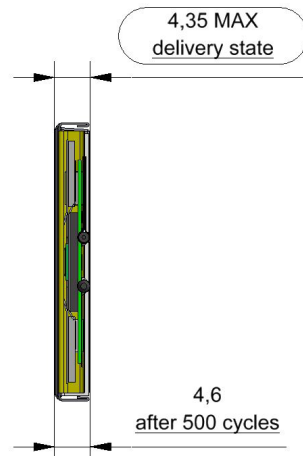
3. AMBIENT CONDITIONS

- Temperature Range
- Charge ▶ 0 to +45°C
 - Discharge ▶ -10 to +60°C
 - Storage Temperature
 - ▶ 1 year at -20 to + 30°C with >80% capacity recovery
 - ▶ 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

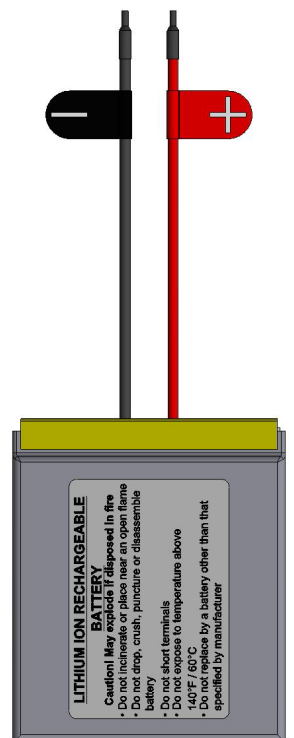
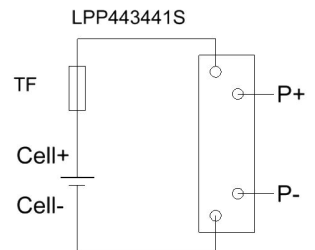
4. ENVIRONMENTAL AND SAFETY

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!



Circuit Diagram



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