

# Specification of Li-polymer Rechargeable Battery

Model No.: LP-443440-1S-3

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## 1. Scope

This specification describes the definition, technical requirement, testing method, warning and caution of the Lithium ion polymer rechargeable battery. The specification only applies to Dubilier's Li-ion battery.

## 2. Product Model

Battery type: Rechargeable Lithium-ion Polymer Battery

Battery Model: LP-443440-1S-3

## 3. Ratings

- 3.1. Nominal Capacity[at 0.2C]: 560mAh (min );  
600mAh (typical )
- 3.2. Nominal Voltage: 3.7V (average voltage at 0.2C discharge)
- 3.3. Charging Voltage: 4.20 ±0.05V
- 3.4. Max. Charging Current: 560mA
- 3.5. Charging Method: constant current constant voltage
- Standard Charge: 280mA (constant current) charge to 4.20V, then 4.2V  
(constant voltage) for 3.5hr or 11mA(0.02C) cut off
- Quick Charge: 560mA(constant current) charge to 4.20V, then 4.2V  
(constant voltage) for 3.0hr or 11mA (0.02C) cut off
- 3.6. Max. Continuous Discharge Current: 1120mA
- 3.7. Discharge Cut-off Voltage: 2.75V
- 3.8. Battery Dimensions (Refer to the attached drawing)
- Thickness: 4.2±0.2  
( Measured with weighing 300gf at 25±2°C )
- Width: 34±1  
( Measured with weighing 300gf at 25±2°C )
- Length: 41±1
- 3.9. Battery Weight: 13±1g
- 3.10. Operating Temperature
- Discharge: -20°C ~ +60°C
- Charging: 0°C ~ +45°C
- Storage in a 50% charged state
- | Temperature range | Duration | Typ. Capacity recovery |
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