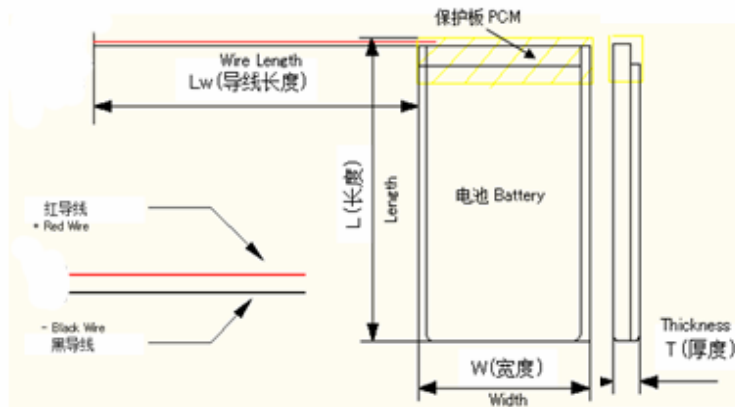




ZONCELL INTERNATIONAL LIMITED
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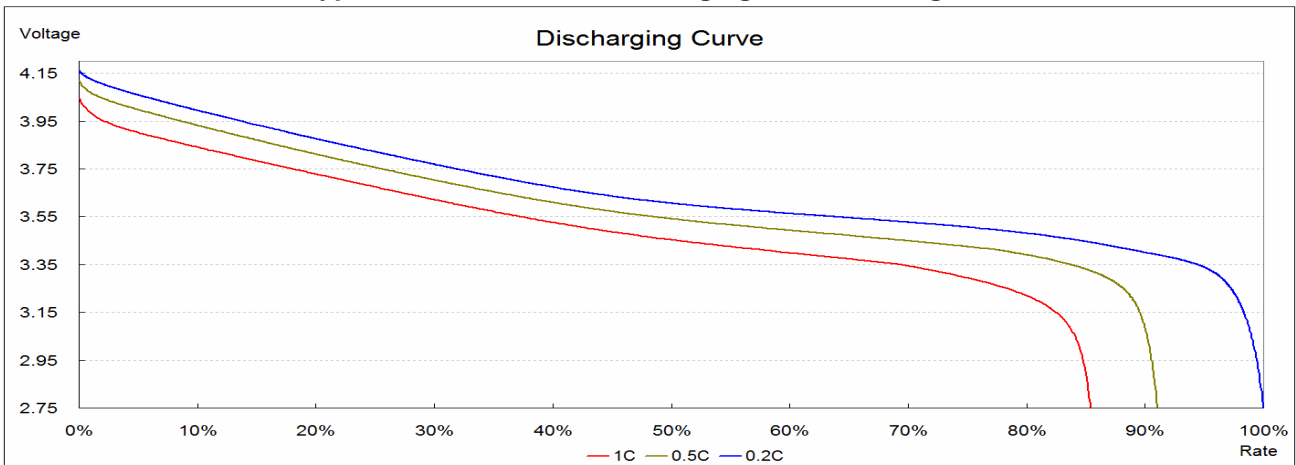
Product Data Sheet



Product View

| | | |
|----------------------------|-------------------|-----------------|
| Product model: | LP602530T | |
| Nominal voltage: | 3.7V | |
| Capacity: | Nominal: | 500mAh |
| | min. | 400mAh |
| Size: | Length: | max 34mm |
| | Width: | max 26mm |
| | Thickness: | max 6.5mm |
| Wire: | Type: | 1007 26# |
| | Length: | 50-70mm |
| Connector: | Plug: | / |
| Internal impedance: | $\leq 180m\Omega$ | |
| PCM: | 3.7V | 1.5A |
| Single cell: | Type: | Lithium Polymer |
| | Model: | LP602530T |

Typical 0.2C / 0.5C / 1C Discharging Curve for Single Cell



Remark: Max charging voltage is not up to 4.2V/cell, Max protect voltage of PCM is not up to 4.3V/cell.

Electrical Performance

| | | |
|--|-----------------------------|---|
| Charging termination voltage: 4.2V \pm 0.05V/cell | | |
| Charging methods: | Constant current charging: | Charging to 4.2V/cell |
| | Constant pressure charging: | 4.2V/cell |
| | The small current charging: | cut-off current 0.01C |
| Discharge termination voltage 2.75V/cell * or PCM control at first | | |
| Storage Voltage: 3.7~4.0V/cell | | |
| Charging current: | Standard: | 0.2C * or PCM control at first |
| | Fast: | 0.5C * or PCM control at first |
| | max. | 1C * or PCM control at first |
| Discharging current: | Standard: | 0.2C * or PCM control at first |
| | Fast: | 0.5C * or PCM control at first; only within -10 ~ 55 °C |
| | max. | 1C * or PCM control at first; only within 0 ~ 45 °C |
| Discharge efficiency in 80 °C | $\geq 60\%$ | *0.2C to 2.5V or PCM control at first |
| Cycle Life: | ≥ 800 cycles | *0.2C, 25 °C |

Temperature Performance

| | |
|----------------------------|--|
| Operation: | Charge: 10~45 °C; Discharge: -10~80 °C (within 4hours) |
| Storage: | Within 3month: -10~45 °C; 3-6months: -10~35 °C |
| Storage relative humidity: | 65 \pm 20% |
| Delivery charge capacity: | Less than 30% |

* More detail parameter please reference to the specification.

Prepared by: Weichao Wen Checked by: Weidong Wang Approved by: Mao yan