

Lithium ion Polymer (LP) Battery Individual Data Sheets

LP-3878105 have a combination of high energy density, super light and ultra thin. It's a perfect power source solution for PDAs, Web pad and other handheld device.

Specifications

| | | | |
|------------------------|---|------------------------|--|
| Nominal voltage | 3.7V | Cut-off voltage | 3.0V |
| Standard charge method | Charging the cell initially with constant current at 0.5C and then with constant voltage at 4.2V till charge current $<0.05C$ | | |
| Max. charge current | 1C | Max. discharge current | 1.5C |
| Standard charge | 0.5C \times 5hrs | Rapid charge | 1C \times 2.5hrs |
| Operating temperature | | °C | °F |
| | Charging | 0°C ~ 45°C | 32°F ~ 113°F |
| | Discharging | -20°C ~ 60°C | -4°F ~ 140°F |
| | Storage | -20°C ~ 45°C | -4°F ~ 113°F |
| Cycle Life | ≥ 500 Cycles (@0.5C discharge, 23°C) | Self-discharge | Residual capacity $>90\%$ (@25°C \pm 2°C, 30 days) |

Remark:

*1 @ 0.2C discharge, 23°C

*2 Impedance is measured at AC 1KHz after Standard Charge.

*3 Cell weight is the approximate value for reference.

Cell Dimension

| | mm | inch |
|-----------|-------------|-----------------|
| Length | 105 \pm 1 | 4.13 \pm 0.04 |
| Width | 78 \pm 1 | 3.07 \pm 0.04 |
| Thickness | Max. 3.90 | Max. 0.15 |

