

Lithium ion Polymer (LP) Battery Individual Data Sheets

LP-383465 have a combination of high energy density, super light and ultra thin. It's a perfect power source solution for mobile phone , small PDAs 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 | | $^{\circ}C$ | $^{\circ}F$ |
| | Charging | 0 $^{\circ}C$ ~ 45 $^{\circ}C$ | 32 $^{\circ}F$ ~ 113 $^{\circ}F$ |
| | Discharging | -20 $^{\circ}C$ ~ 60 $^{\circ}C$ | -4 $^{\circ}F$ ~ 140 $^{\circ}F$ |
| | Storage | -20 $^{\circ}C$ ~ 45 $^{\circ}C$ | -4 $^{\circ}F$ ~ 113 $^{\circ}F$ |
| Cycle Life | ≥ 500 Cycles (@0.5C discharge, 23 $^{\circ}C$) | Self-discharge | Residual capacity $>90\%$ (@25 $^{\circ}C \pm 2^{\circ}C$, 30 days) |

Remark:

*1 @ 0.2C discharge, 23 $^{\circ}C$

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

*3 Cell weight is the approximate value for reference.

Cell Dimension

| | mm | inch |
|-----------|----------------|-----------------|
| Length | 65.0 \pm 0.5 | 2.56 \pm 0.02 |
| Width | 34.0 \pm 0.5 | 1.34 \pm 0.02 |
| Thickness | Max. 3.90 | Max. 0.15 |

