# LP POWER COMPANY LIMITED

PRODUCTION SPECIFICATION

1 YEAR WARRANTY

LP POWER has been optimized for good process in the production of battery cells on an industrial scale. This battery has high energy density, long life cycle of charging & discharging, more than 500 cycles. Batteries will be enhanced safety with IC & MOS protectors according to devices. Besides, our batteries are easy to assemble with mounted connectors (Molex, JST, TE and so on). Rigorous testing to ensure the quality of all lithium polymer batteries.

## LIPO BATTERY SPECIFICATION

| | |
|---|---|
| Part Number | LP 402022 |
| Nominal Voltage | 3.7V |
| Nominal Capacity | 130 mAh |
| Internal Impedance | ＜60mΩ |
| Charge Voltage | 4.2V |
| Recommended Charge Current | 0.2C |
| Allowed Max Charge Current | 0.5C |
| Output Voltage Range | 4.2 - 2.5V |
| Recommended Discharge Current | 0.2C |
| Max Continuous Discharge Current | 1C |
| Pulse Discharge Current | 3C(10mS) |
| Discharge Cut-off Voltage | 2.5±0.05V |
| Cycle Life to 80% Health | 500(0.2C, 25℃) |

## ENVIRONMENTAL SPECIFICATION

| | |
|---|---|
| Charging Temp. Range | 0 – 45° C |
| Discharging Temp. Range | -20 – 60° C |
| Storage Period 1 Week | -20 – 45° C |
| Storage Period 1 Month | -10 – 45° C |
| Storage Period 6 Months | 0 – 35° C |

## BATTERY PROTECTION

| | |
|---|---|
| Over Charge | 4.275 ± 50mV |
| Over Discharge | 2.5V ± 50mV |
| Over Current | 3A to 5A |
| Short Circuit | Yes |

## MECHANICAL SPECIFICATION

| | |
|---|---|
| Dimensions | 24 x 20 x 4.0 mm(L1*W*T) |
| Weight | ≤5 g |
| Battery Terminals | WC/FL* |

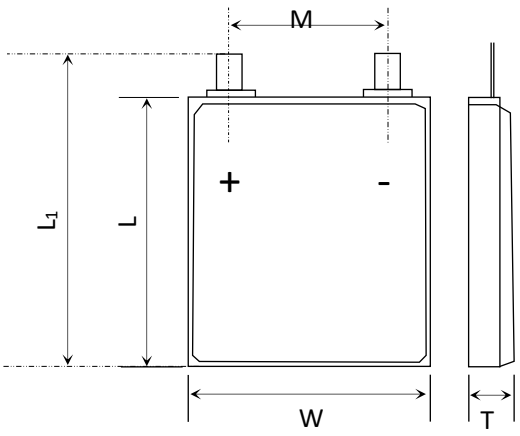
*WC=With Connector FL=Flying Leads

## CERTIFICATION

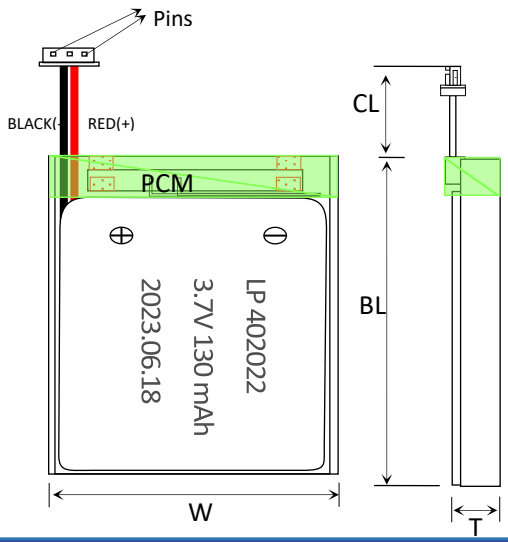
| | |
|---|---|
| Certificate Approval | UN38.3/ UL/ CE/ customize |

*Specifications are subject to change without notice.

## OUTER DIMENDIONS (mm)




| Item | Parameter (mm) |
|---|---|
| T | 4.0 |
| W | 20 |
| M | 10 |
| L | 22 |
| L1 | 24 |
| BL | 24 ± 1 |
| CL | 100 |

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