LP POWER COMPANY LIMITED

PRODUCTION SPECIFICATION

1 YEAR WARRANTY

Lipo Battery Features

- Long Cycle Life: up to 500-1000 life cycles
- Production Lead Time up to 3 Days
- Extended Warranty Guarantee
- Regulated voltage from 3V-24v
- Custom Input and Output Voltage and Current
- Temperature Monitoring
- CB, IEC62133, CE, UL1642, UN38.3 Certification
- SM Bus/I2C/UART Protocol Available

LIPO BATTERY SPECIFICATION

Part Number	LP 604050
Nominal Voltage	3.7V
Nominal Capacity	1400 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	52 x 40 x 6 mm(L1*W*T)
Weight	23 g
Battery Terminals	WC/FL*

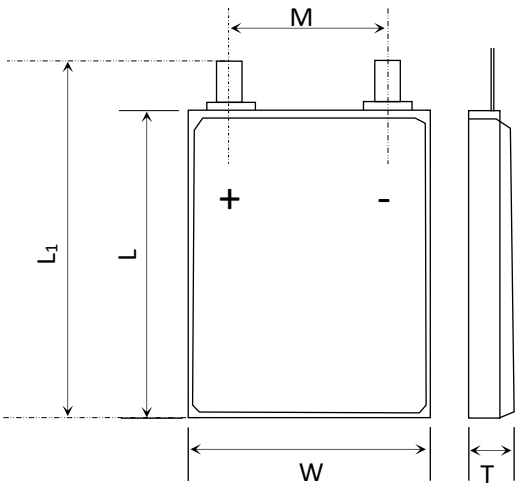
*WC=With Connector FL=Flying Leads

CERTIFICATION

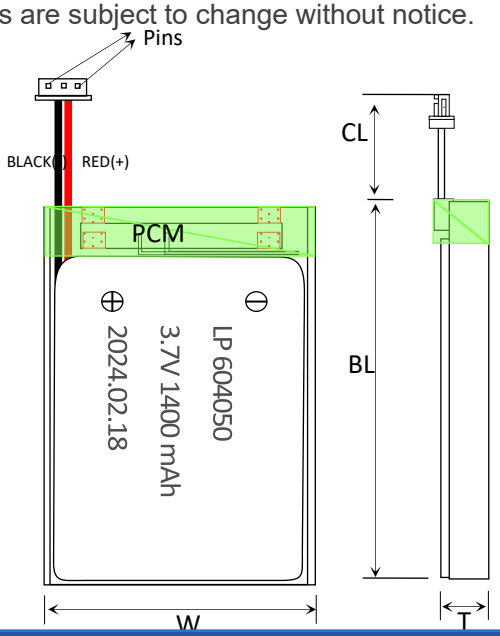
Certificate Approval	UN38.3/ UL/ CE/ customize

*Specifications are subject to change without notice.

OUTER DIMENDIONS (mm)



Item	Parameter (mm)
T	6
W	40
M	10
L	50
L1	52
BL	52 ± 1
CL	100



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LEARN MORE ON:
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