3.7V Lithium Polymer Battery Data Sheet

Model: 356586

Please Find More:

https://www.fpbattery.com/3-7v-2000mah-lithium-polymer-battery/

File Number: A/FP6586-8948

File Version: 01

CONTACT

CUSTOMER SERVICE
86.755.3682.7358
sales@fpbattery.com
Hours of Operation:
9:00am-6:00pm CST, Monday to Friday

LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 356586
Nominal Voltage	3.7 V
Nominal Capacity	2000 mAh
Internal Impedence	<60mΩ
Charge Voltage	4.2V
Recommended Charge Current	0.2 C
Allowed Max Charge Current	0.5 C
Output Voltage Range	4.2 - 2.5 V
Recommended Discharge Current	0.2 C
Max Continuous Discharge Current	1 C
Pulse Discharge Current	3 C (10 mS)
Discharge Cut-off Voltage	2.5± 0.05V
Cycle Life to 80% Health	500 (0.2C, 25°C)

ENVIRONMENTAL SPECIFICATIONS

Charging Temperature Range	0 - 45°C
Discharging Temperature 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

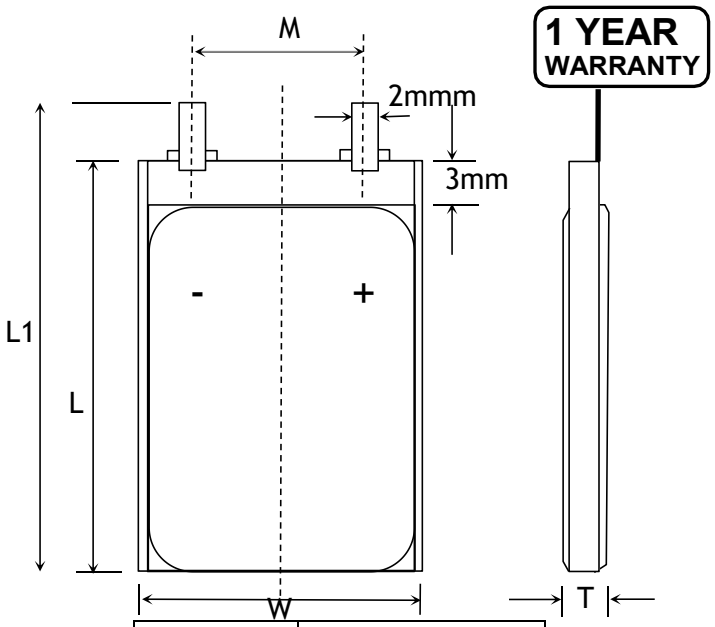
MECHANICAL SPECIFICATIONS

Dimensions	88x 65 x 3 mm(L*W*T)
Weight	Around 33 g
Battery Terminals	WC/ FL *

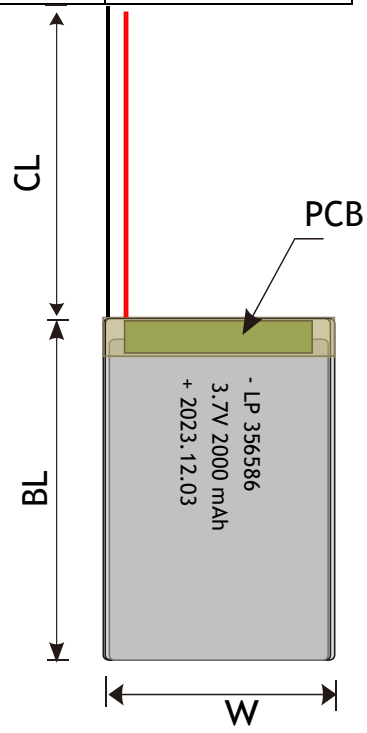
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

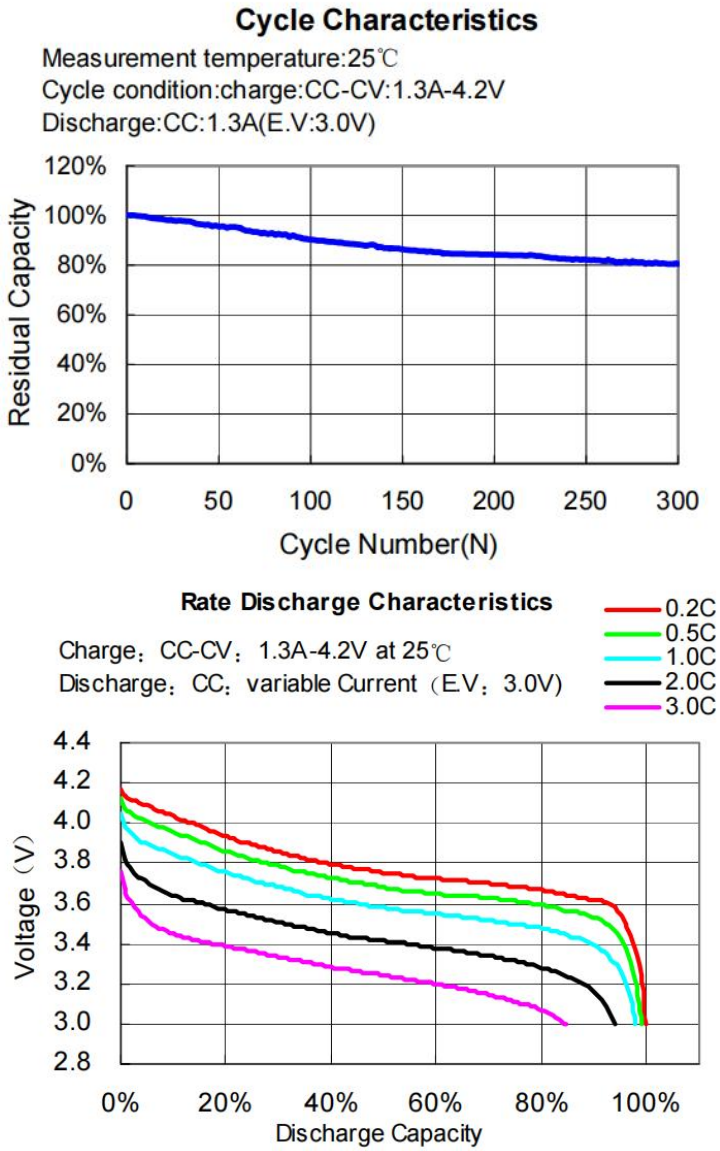
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell



Item	Parameter (mm)
T	3
W	65
M	10
L	86
L_1	88
BL	88 ± 1
CL	100



RELATIVE CURVES



ANNOUNCEMENT

- Avoid storing the battery in a hot environment.
- The battery must be installed in the model on a flat surface.
- Avoid using batteries that have exceeded their service life.
- Check the voltage of your LiPo pack before charging with a digital multimeter. Only charge if it is 3.30V or greater per cell (e.g. 9.90V for a 3S pack).
- Avoid using the device for a long time in a hot environment.
- Never charge a LiPo battery near an exit. Keep exit egress clear in case of a fire or emergency.
- Do not discharge a LiPo battery at a rate exceeding the maximum continuous discharge current specified for it. Otherwise, the battery will overheat and result in battery deterioration, bursting, ballooning, or possibly cause a fire or explosion.
- Never charge a LiPo battery near an exit. Keep exit egress clear in case of a fire or emergency.
- The battery must be protected from physical contact with any other part of the model.
- Charge on non-conductive, non-combustible surfaces.
- Manually check the temperature of your LiPo battery pack constantly during charging. LiPo cells should never rise above ambient temperature when being charged.