3.7V Lithium Polymer Battery Data Sheet

Model: 353547

Please Find More:

https://www.fpbattery.com/3-7v-500mah-lithium-polymer-battery/

File Number: A/FP3547-9362

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/

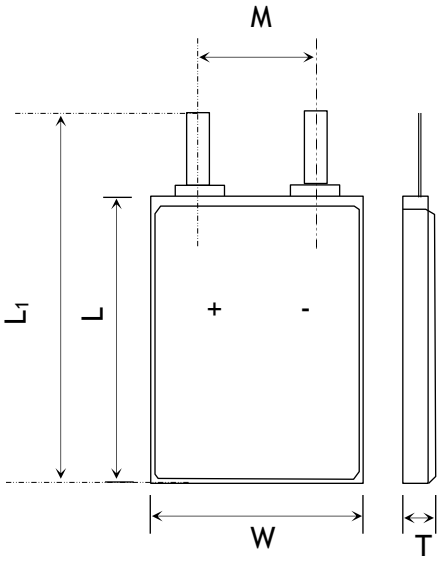
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 353547
Nominal Voltage	3.7 V
Nominal Capacity	575 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)

1

1 YEAR WARRANTY



Item	Parameter (mm)
T	3
W	35
M	10
L	47
L_1	49
BL	49 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

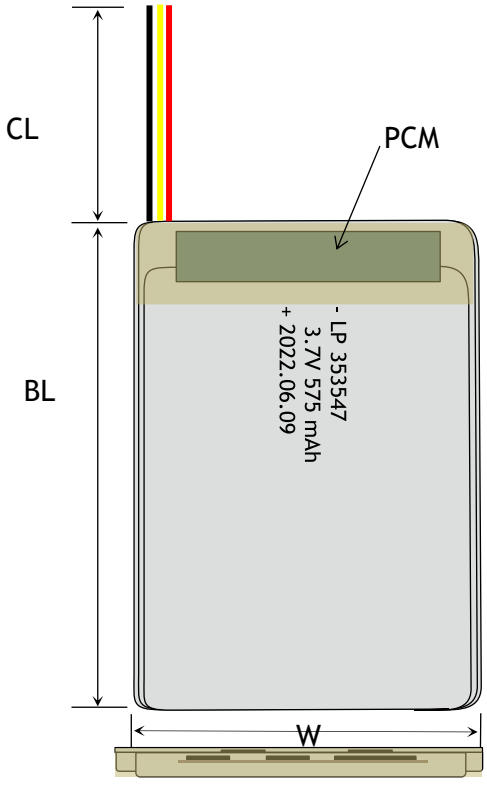
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	49x 35 x 3 mm(L*W*T)
Weight	Around 9 g
Battery Terminals	WC/ FL *

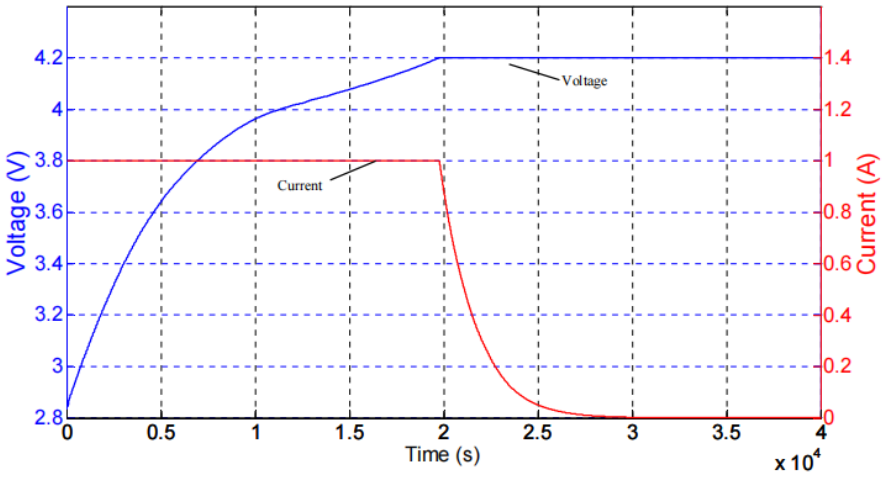


CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

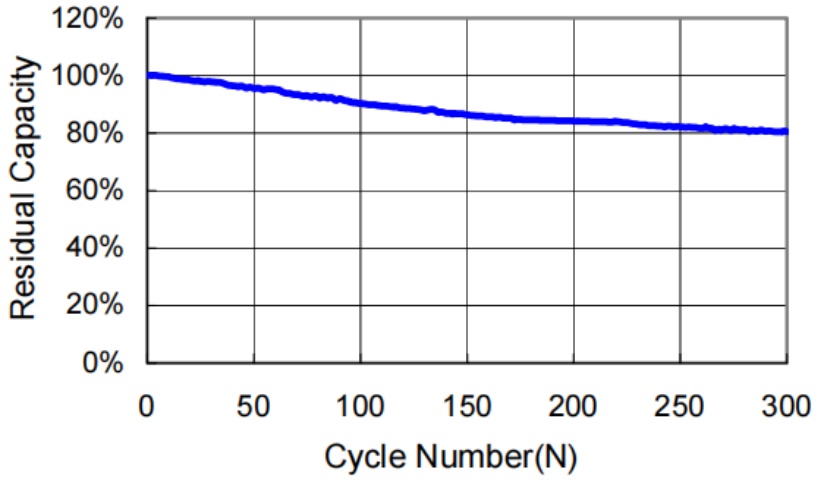
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC
BWP=Black Wrapped PVC BC= Bare Cell

RELATIVE CURVES



Cycle Characteristics

Measurement temperature:25℃
Cycle condition:charge:CC-CV:1.3A-4.2V
Discharge:CC:1.3A(E.V:3.0V)



ANNOUNCEMENT

- NEVER charge a Li-ion or LiPo battery overnight and unattended.
- Never charge a LiPo battery while it is inside your model or other electronic device. If it catches fire, it can lead to total destruction of the item inside which it is being charged.
- If a remote device is not available, do not handle the cell for a period of at least 24 hours.
- Test equipment for short circuits prior to installing batteries.
- If taking lithium batteries on an aircraft, follow FAA and IATA rules.
- Do not vibrate the battery excessively.
- It is essential to observe the polarity. Reverse polarity (POSITIVE and NEGATIVE) will damage the cells, cause the battery to swell and can damage your charger.
- Avoid bumping or dropping the battery to prevent damage or internal short circuit.
- ALWAYS store batteries away from heat sources.
- The discharge temperature range is between 32°F (0°C) and 113°F (45°C).
- The battery must be installed in the model on a flat surface.