3.7V Lithium Polymer Battery Data Sheet

Model: 354992

Please Find More:

https://www.fpbattery.com/3-7v-12000mah-lithium-polymer-battery/

File Number: A/FP4992-17844

File Version: 01

CONTACT

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

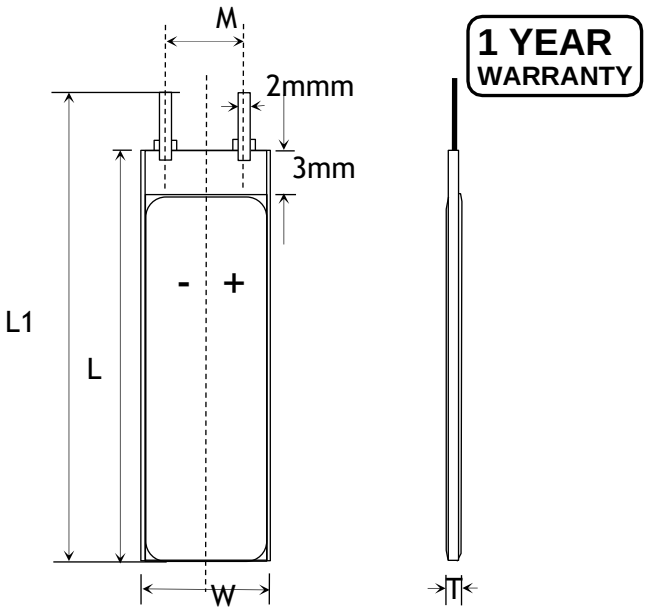
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 354992
Nominal Voltage	3.7 V
Nominal Capacity	1600 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)

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Item	Parameter (mm)
T	3
W	49
M	10
L	92
L_1	94
BL	94 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

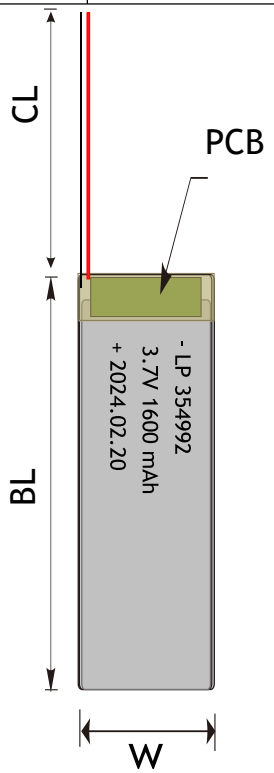
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	94x 49 x 3 mm(L*W*T)
Weight	Around 26 g
Battery Terminals	WC/ FL *

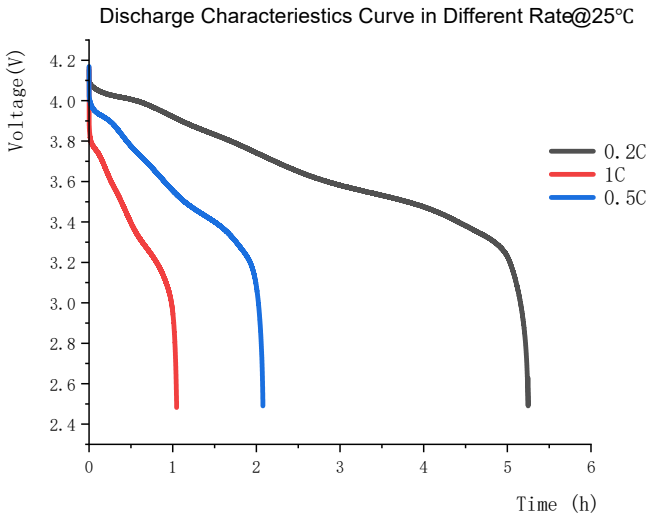


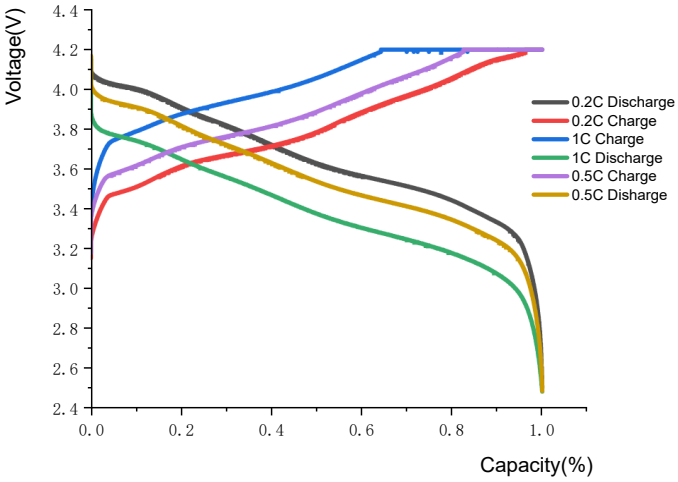
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

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

RELATIVE CURVES





ANNOUNCEMENT

- Regularly check the condition of the battery. Do not use if damaged or swollen
- Never put LiPo batteries or battery packs in pockets, drawers or bags where they might make contact with something made of metal. This can cause a short circuit.
- Always use the appropriate balancer/charger when charging your LiPo battery pack.
- Only charge in an isolated area away from other flammable materials and on a non conductive and non flammable surface. Use a fireproof container. LiPo battery fires can not be extinguished. If a fire occurs, contain it by covering it with a fire blanket until it burns itself out.
- 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.
- Charging with higher current than recommended value may cause damage to cell electrical, mechanical and safety performance and could lead to heat generation or leakage.
- Higher cell voltage during storage will increase the self-discharge rate of the battery, which may lead to over-discharge and deteriorate battery performance. It is recommended that the battery remain at a lower voltage (about 3.8V/cell) throughout the period of storage. If the battery is to be stored for longer than one year, the user should charge the battery at least once per year to 3.8V/cell to prevent over-discharge.
- Never incinerate nor dispose of the cells in a fire. These may cause firing of the cells, which is very dangerous and is prohibited.
- Store Li-Ion batteries and devices in dry, cool locations and in fire-resistant containers.
- Do not leave cells un-attended when charging. Always remain close to the charging cells to constantly monitor the charging process and react to any potential problems should they occur.
- Never directly connect the terminals with metal objects. This will short-circuit Batteries, resulting in heat and electrical discharge.