3.7V Lithium Polymer Battery Data Sheet

Model: 552344

Please Find More:

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

File Number: A/FP2344-18254

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/

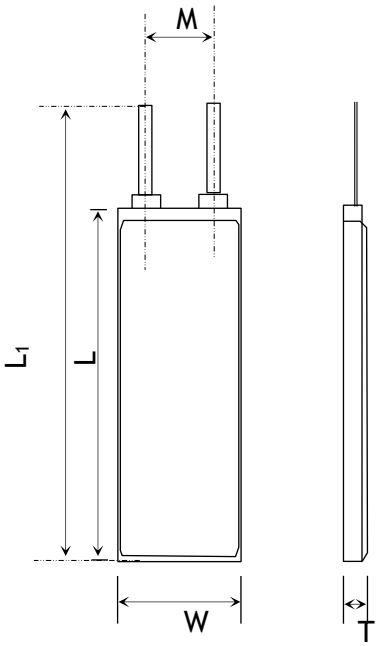
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 552344
Nominal Voltage	3.7 V
Nominal Capacity	555 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	5
W	23
M	10
L	44
L_1	46
BL	46 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

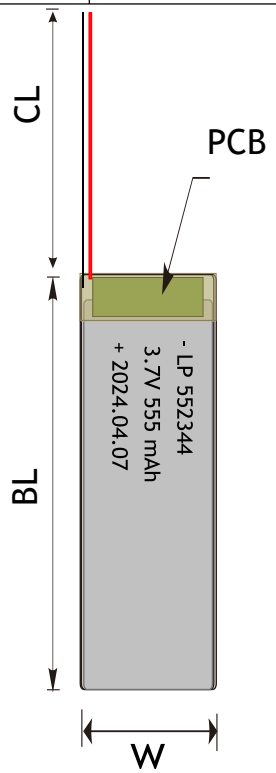
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	46x 23 x 5 mm(L*W*T)
Weight	Around 9 g
Battery Terminals	WC/ FL *



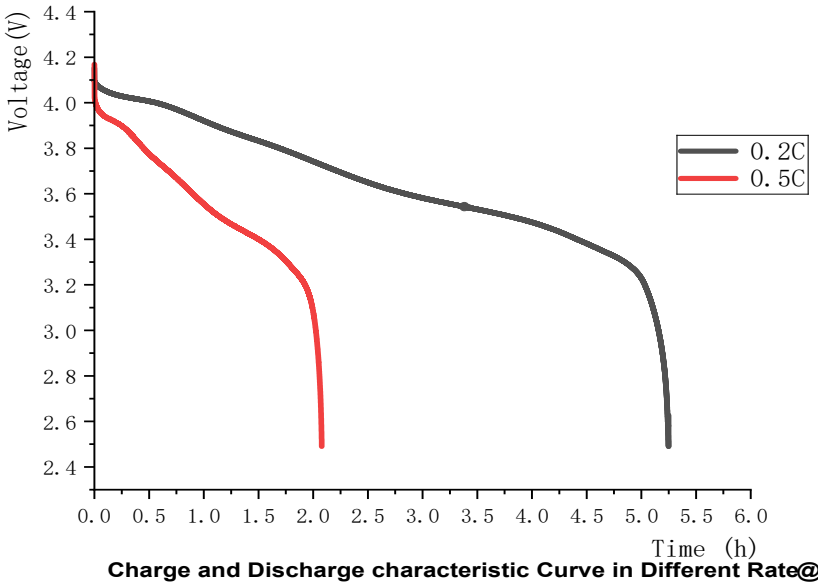
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

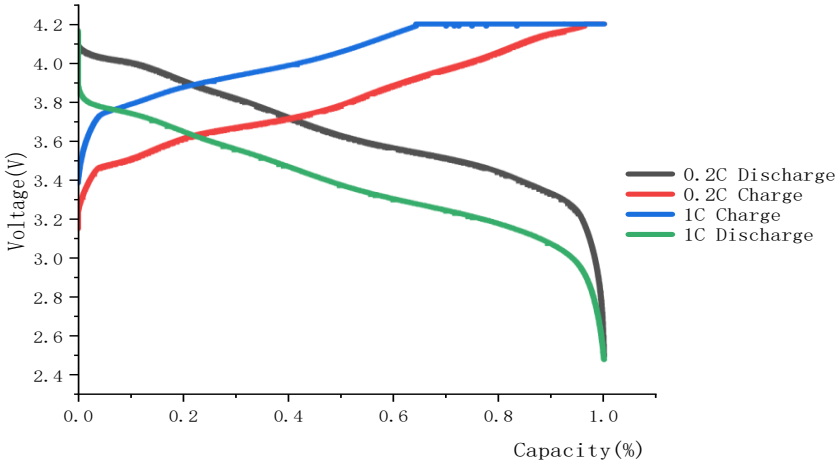
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC
BWP=Black Wrapped PVC BC= Bare Cell

RELATIVE CURVES

Discharge Characteriestics Curve in Different Rate@25℃



Charge and Discharge characteristic Curve in Different Rate@25℃



ANNOUNCEMENT

- Avoid frequent shutdowns and restarts of the device on the way to using the battery.
- If at anytime you notice a cell "puff up", disconnect it immediately and cover it with a fire blanket, or put it in a non-conductive container and place it outside away from all flammable objects for at least 30 minutes as chemical reactions can take this long before a fire starts.
- Keep all batteries out of the reach of children.
- Do not allow a Lipo battery to get wet
- 3.6V~3.9V range. Always store your LiPo pack in a safe and non flammable container away from flammable objects.
- Every time a battery is not used actively (e.g. for more than 3 days), it should be placed in the storage area tAVOID being damaged and becoming unsafe.
- Do not disassemble and damage the battery.
- Only charge LiPo batteries with chargers specifically designed to charge LiPo batteries. NEVER use a NiMH or NiCd charger! Failure to use a proper charger might cause a fire resulting in personal injury and/or property damage. Some LiPo chargers on the market may have technical deficiencies which may result in incorrect charging or charging at an improper rate. It is your responsibility to determine that your charger works properly.
- Store it in a fire-proof container in a cool dry place.
- Avoid using chargers with long charging times.
- Never leave a battery unattended while charging. During the entire process of charging your LiPo battery, you must constantly observe and monitor the charging process so that you can quickly react to any problems that may occur and to be certain that the battery is being charged properly.