3.7V Lithium Polymer Battery Data Sheet

Model: 553033

Please Find More:

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

File Number: A/FP3033-4200

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

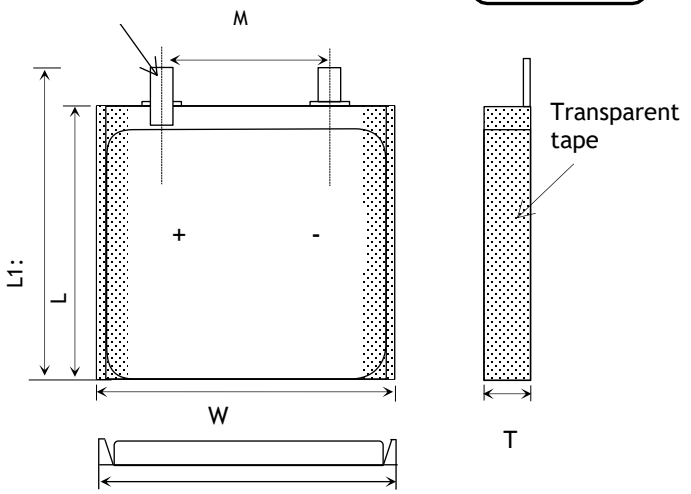
BATTERY SPECIFICATION

Part Number	DNK 553033
Nominal Voltage	3.7 V
Nominal Capacity	545 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

Inflex and soler



Item	Parameter (mm)
T	5
W	30
M	10
L	33
L_1	35
BL	35 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

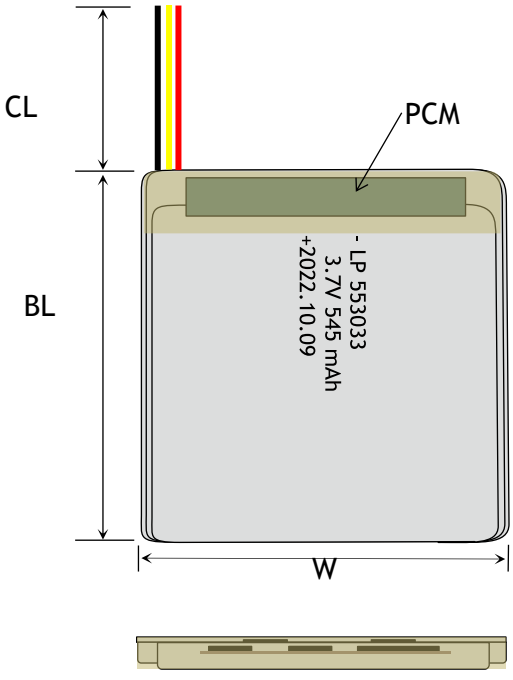
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	35x 30 x 5 mm(L*W*T)
Weight	Around 9 g
Battery Terminals	WC/ FL *



CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

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

BULK PRODUCTION ACTUAL PICTURES



BARE CELL (BC)



FLYING LEADS (FL)



WITH CONNECTOR (WC)



BLUE WRAPPED PVC (UWP)



BLACK WRAPPED PVC (BWP)

3.7V LIPO BATTERY OPTIONS



Special Ingredients to make batteries work from -40 -85 ° C



Discharging Current up to 100C



Popular JST,Molex,Hirose,Anderson available



LED Power Indicator

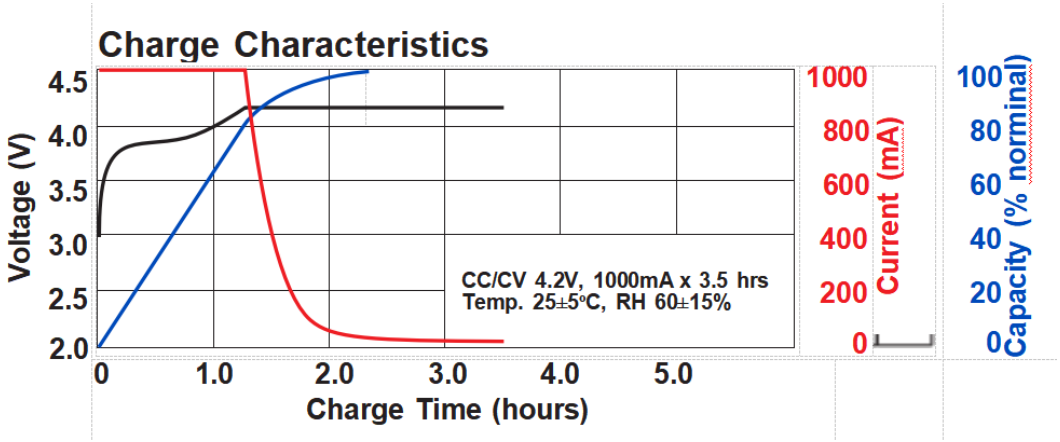


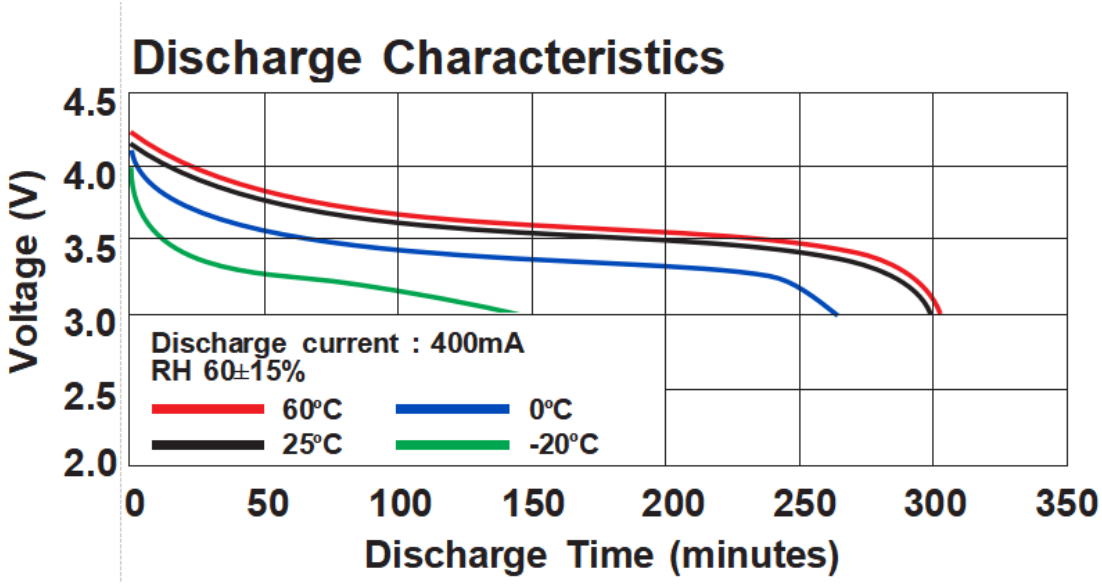
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Always ensure you are using the correct charger for the specific battery type you are trying to charge. Example: If you are charging a Lipo battery, only use a charger designed for Lipo batteries. If the charger can support different battery types, ensure you select the correct type. Failure to do so may cause a re, which may result in personal injury and property damage.
- Inspect batteries weekly. Look for puffed LiPo battery casing. Monitor temperature.
- Do not leave Lipo batteries unattended while charging.
- Do not charge any pack containing one or more damaged or swollen/puffed cell as there is a high risk of a fire. Dispose of them.
- Always remove your LiPo battery from your model while charging. Remove the battery from you model and allow it to cool to ambient temperature before re-charging.
- Never overcharge Batteries beyond the capacity listed on Batteries labels.
- Never leave battery unattended during the discharging process, always monitor the process constantly and react to potential problem that may occur.
- NEVER leave E-bikes or other similar personal mobility devices unattended while charging.
- Use a dedicated lithium polymer battery charger and ensure that it meets the charging requirements of the battery.
- Do not mix batteries of different models or capacities.
- Do not inhale the smoke/fumes of a LiPo battery that is on fire. The smoke is toxic. Leave the area and call 911.