3.7V Lithium Polymer Battery Data Sheet

Model: 403540

Please Find More:

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

File Number: A/FP3540-5132

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

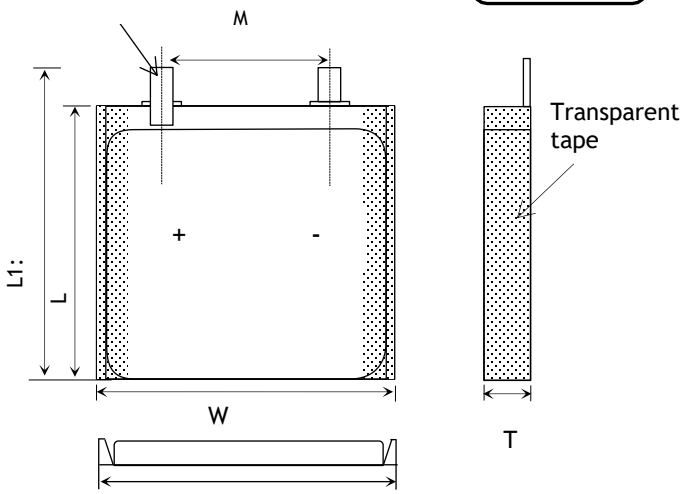
BATTERY SPECIFICATION

Part Number	DNK 403540
Nominal Voltage	3.7 V
Nominal Capacity	560 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



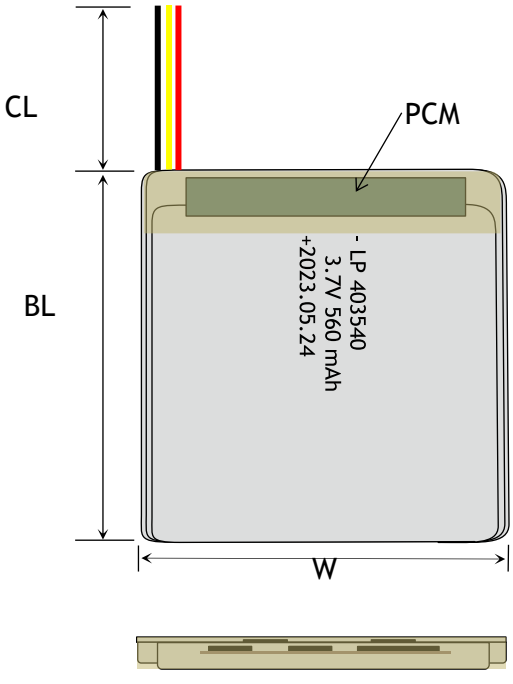
Item	Parameter (mm)
T	4
W	35
M	10
L	40
L_1	42
BL	42 ± 1
CL	100

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	42x 35 x 4 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

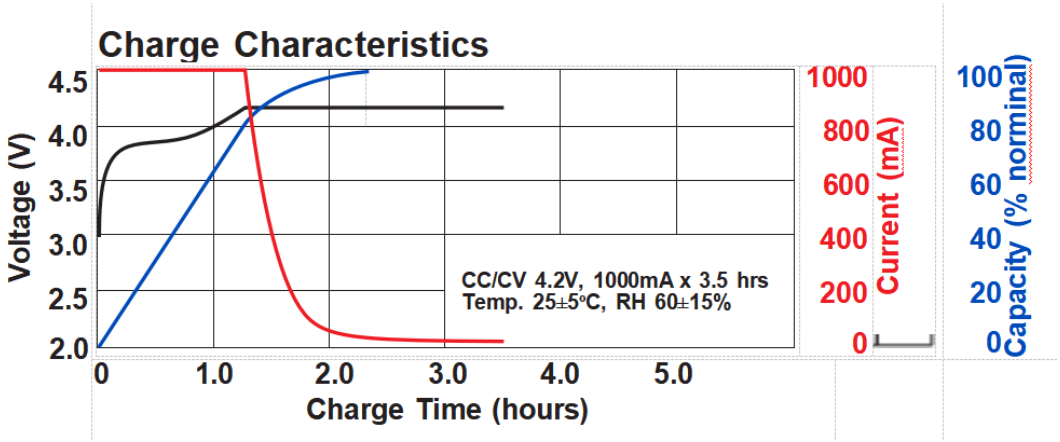


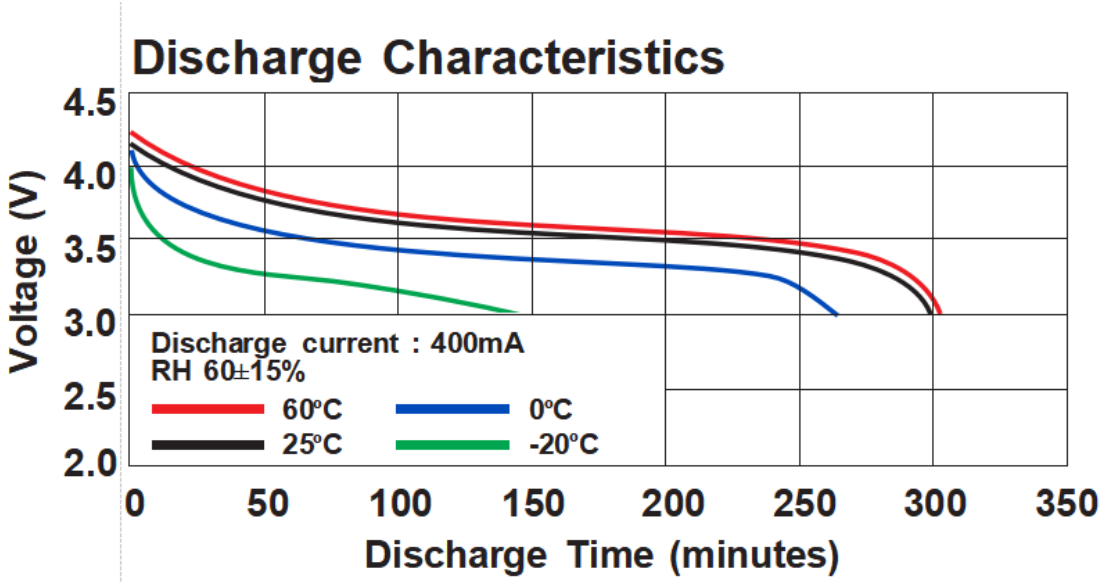
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Never leave a battery unattended while charging. Only charge LiPo batteries with chargers specifically designed to charge LiPo batteries. NEVER use a NiMH or NiCd charger. Battery temperatures should not be allowed to fall below 32˚F (0˚C) or exceed 113˚F (45˚C) .
- Store Li-Ion batteries and devices in dry, cool locations and in fire-resistant containers.
- Store behind a fire door and where a fire alarm is situated.
- Storing LiPo batteries at temperatures higher than 170˚F (76˚C) for more than 2 hours may result in battery damage or possibly fire.
- NEVER charge a Li-ion or LiPo battery overnight and unattended.
- ALWAYS store batteries away from heat sources.
- The discharge temperature range is between 32˚F (0˚C) and 113˚F (45˚C).
- ALWAYS purchase and use batteries and devices that are listed or approved by a Nationally Recognized Testing Laboratory, such as Underwriter's Laboratories (UL) or Intertek (ETL).
- When replacing batteries, make sure to use batteries of the same type, size and brand.
- When using the charger, please monitor the temperature of the charger.
- During transportation and storage, ensure effective measures are employed to prevent shortcircuit.