3.7V Lithium Polymer Battery Data Sheet

Model: 404654

Please Find More:

https://www.fpbattery.com/3-7v-900mah-lithium-polymer-battery/

File Number: A/FP4654-5741

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

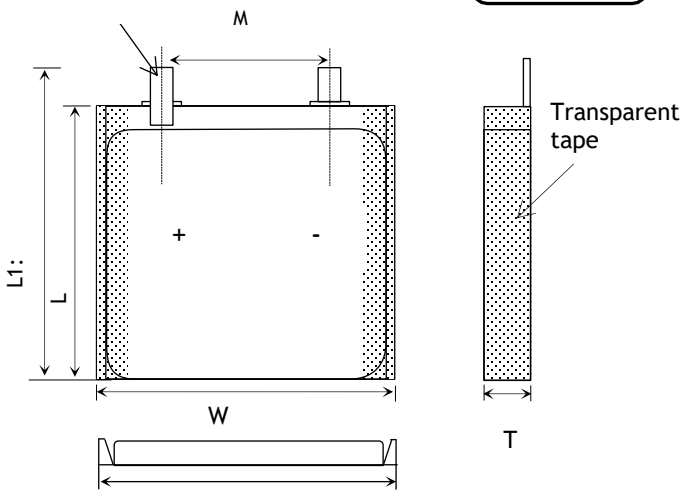
BATTERY SPECIFICATION

Part Number	DNK 404654
Nominal Voltage	3.7 V
Nominal Capacity	995 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	46
M	10
L	54
L_1	56
BL	56 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

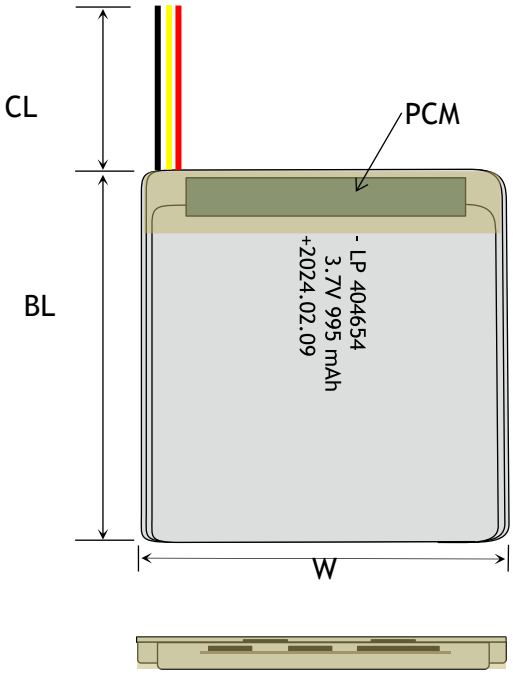
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	56x 46 x 4 mm(L*W*T)
Weight	Around 16 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

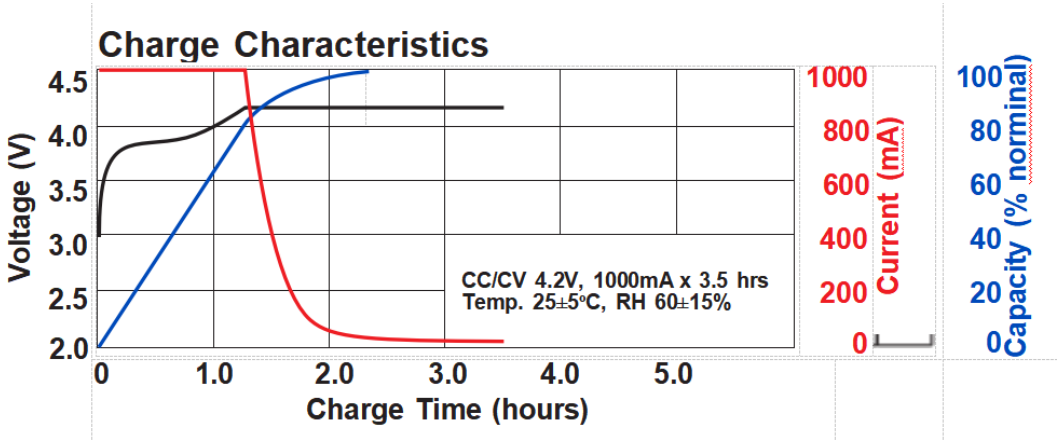


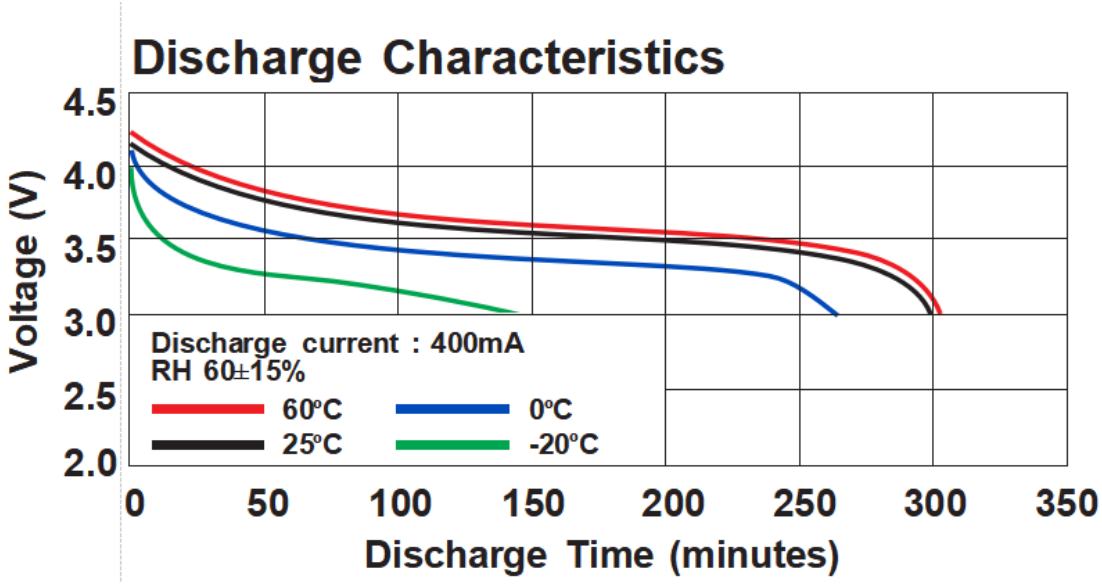
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- NEVER leave your LiPo battery unattended while charging.
- 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 in fire protected, separate areas.
- No charging should take place overnight.
- Before starting work, if you are designing wearables using lithium-ion batteries, make sure they are easily removeable if they start to react while being worn.
- Follow all safe operating guidelines and recommendations provided by the manufacturer.
- LiPo safe bags help contain heat and flames that results if a Li-Ion battery combusts during charging or while in storage.
- Avoid exposing the battery to high humidity for long periods of time.
- Avoid frequent charging and discharging on the way to using the battery.
- When the battery is empty, recharge it immediately. Do not store an empty battery, the battery will continue to discharge, it will fall below the minimum voltage and become unusable.
- Use low voltage cutoff switch or monitor battery voltage while in use on equipment. Do not allow voltage to drop below 3.0 volts.