3.7V Lithium Polymer Battery Data Sheet

Model: 355271

Please Find More:

https://www.fpbattery.com/3-7v-1300mah-lithium-polymer-battery/

File Number: A/FP5271-9881

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 355271
Nominal Voltage	3.7 V
Nominal Capacity	1300 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)

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

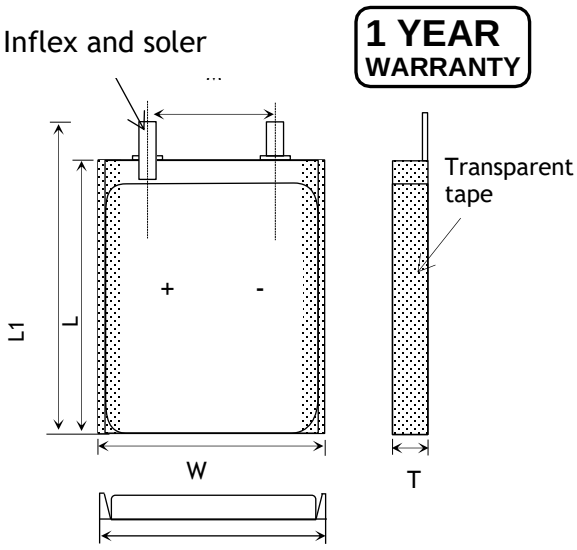
Dimensions	73x 52 x 3 mm(L*W*T)
Weight	21 g
Battery Terminals	WC/ FL *

CERTIFICATION

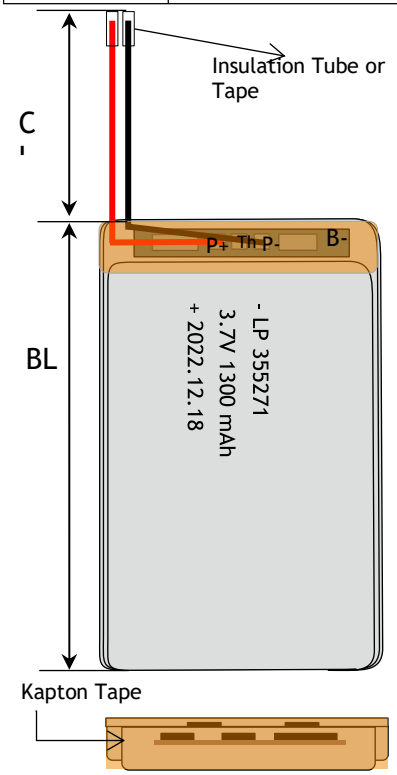
Certification Approval	PLEASE CONSULT SALES

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

1 YEAR WARRANTY



Item	Parameter (mm)
T	3
W	52
M	10
L	71
L_1	73
BL	73 ± 1
CL	100



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



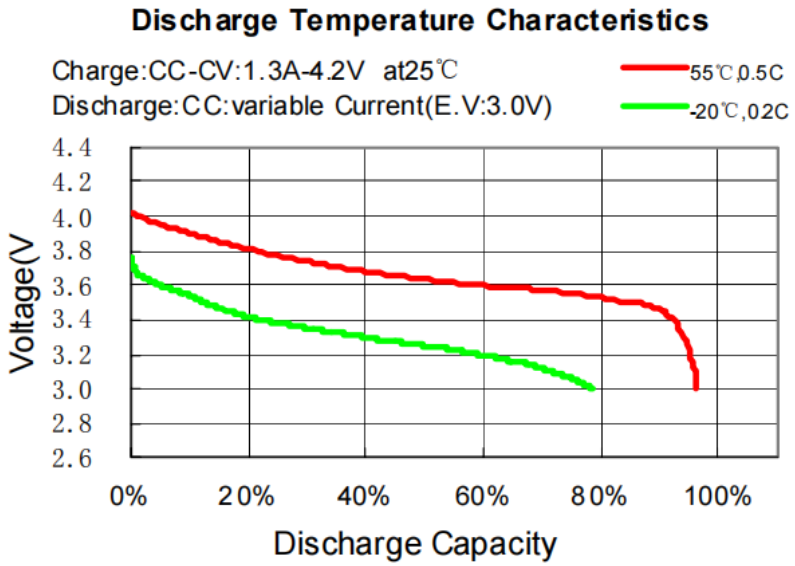


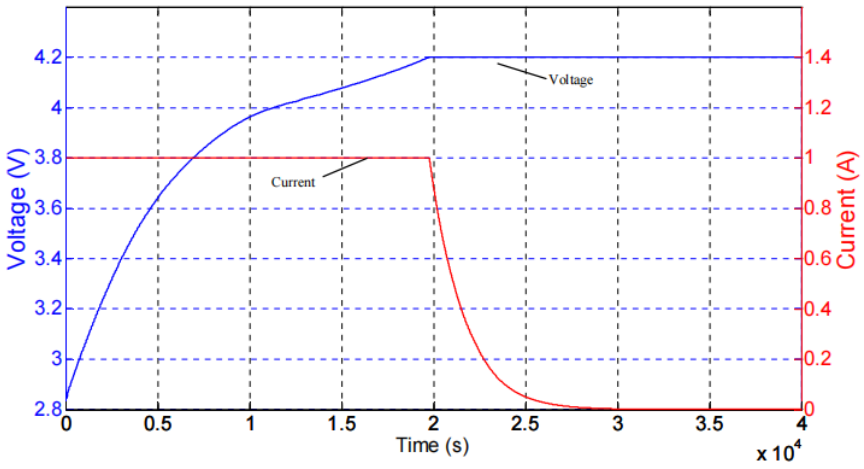
LED Power Indicator



Power Button

RELATIVE CURVES





ANNOUNCEMENT

- Never charge Batteries inside of the model.
- Avoid using worn and aged batteries.
- Do not inhale the gasses of a damaged battery or ingest the contents. If you do accidentally swallow the contents of LiPo cells seek medical attention immediately.
- Never leave batteries unattended where they can be damaged by someone.
- The discharge temperature range is between 32°F (0°C) and 113°F (45°C).
- Always charge batteries at a rate of 1c (one (times the capacity unless specified by the manufacturer
- The battery must be discharged at less than the maximum discharge current specified in the battery instruction manual. High discharging current may reduce the discharging capacity significantly or cause over-heat.
- Store LiPo batteries at correct voltage (around 3.8 volts).
- Do not use the unit without its electronic management system.
- Never discharge your Li-Po battery below the Lowest Discharge Voltage. This may cause irreversible damage which will deteriorate battery performance and cycle life. An ESC with an adjustable low voltage cutoff is MANDATORY!
- For thermal runaway/fire, activate fire alarm, evacuate, contact public safety.