3.7V Lithium Polymer Battery Data Sheet

Model: 356089

Please Find More:

https://www.fpbattery.com/3-7v-1800mah-lithium-polymer-battery/

File Number: A/FP6089-11872

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/

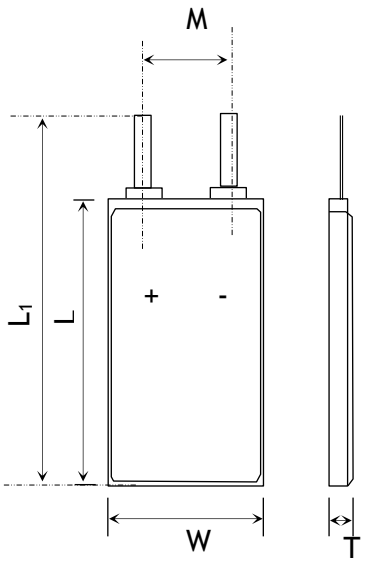
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 356089
Nominal Voltage	3.7 V
Nominal Capacity	1900 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	3
W	60
M	10
L	89
L_1	91
BL	91 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

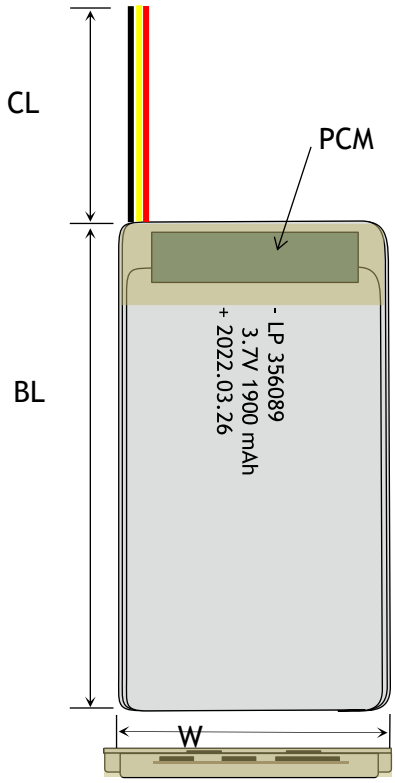
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	91x 60 x 3 mm(L*W*T)
Weight	Around 31 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

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

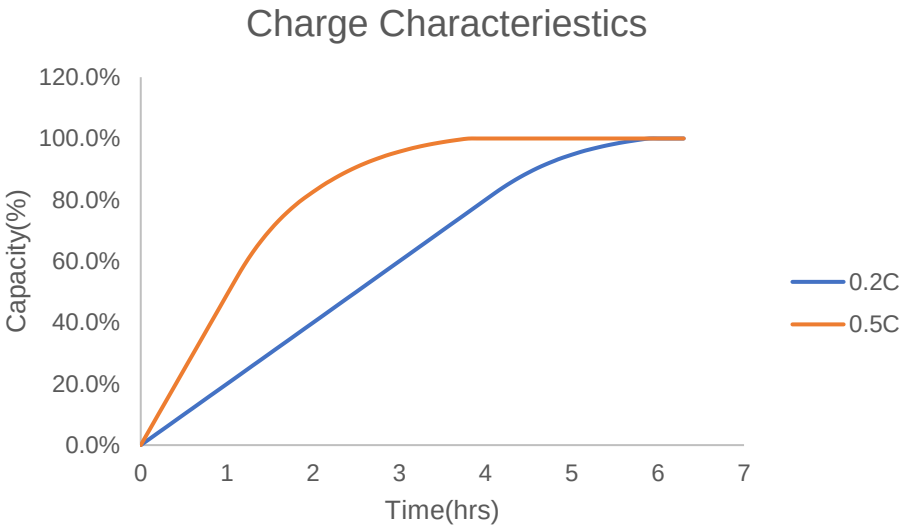


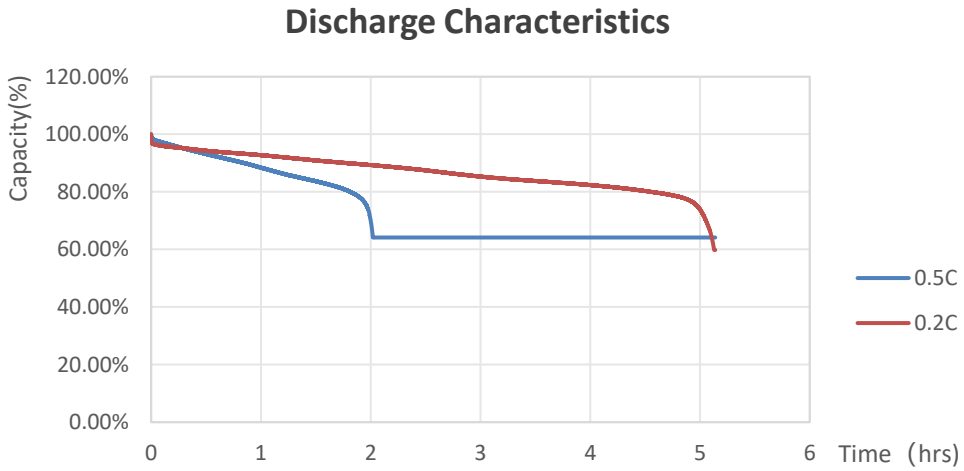
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Do not leave unattended when charging
- Avoid purchasing low quality batteries to avoid accidents.
- The battery must be protected against shocks and splashing of materials from outside the model.
- Do not use water to extinguish a buttery fire Use a Class ABC dry fire extinguisher.
- Do not place metallic substances in direct contact with the positive and negative terminals of the battery.
- Dedicate a battery storage area free of combustible materials.
- When using an adapter, select an output voltage and current that meets the needs of the battery.
- Always check that batteries are physically and electrically undamaged before charging or discharging.
- Do not expose the battery to temperature extremes, such as high or low temperatures.
- Do not mix different types of batteries or mix new and old ones together (e.g. in a power pack).
- For thermal runaway/fire, activate fire alarm, evacuate, contact public safety.