3.7V Lithium Polymer Battery Data Sheet

Model: 356871

Please Find More:

https://www.fpbattery.com/3-7v-1700mah-lithium-polymer-battery/

File Number: A/FP6871-2977

File Version: 01

CONTACT

CUSTOMER SERVICE
86.755.3682.7358
sales@fpbattery.com
Hours of Operation:
9:00am-6:00pm CST, Monday to Friday

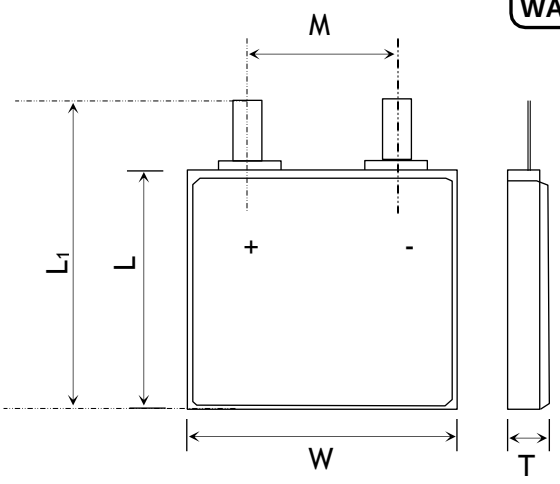
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 356871
Nominal Voltage	3.7 V
Nominal Capacity	1700 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 YEAR WARRANTY



Item	Parameter (mm)
T	3
W	68
M	10
L	71
L_1	73
BL	73 ± 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

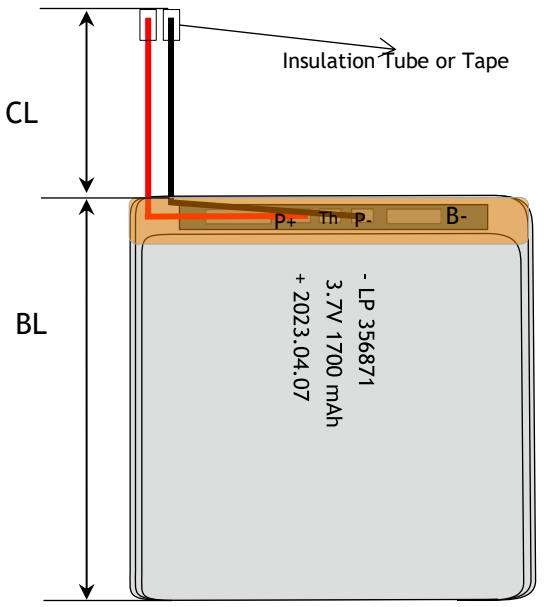
MECHANICAL SPECIFICATIONS

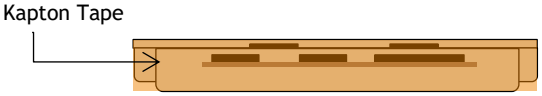
Dimensions	73x 68 x 3 mm(L*W*T)
Weight	Around 28 g
Battery Terminals	WC/ FL *

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

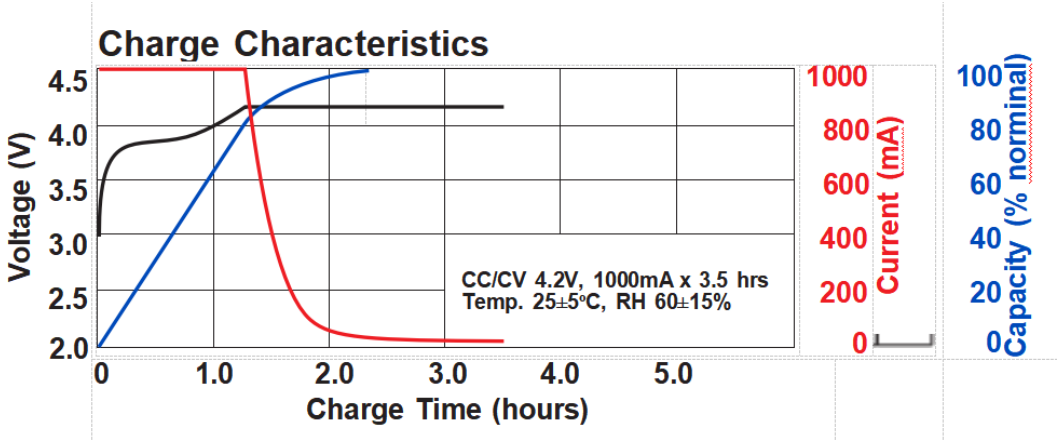
Popular JST,Molex,Hirose,Anderson available

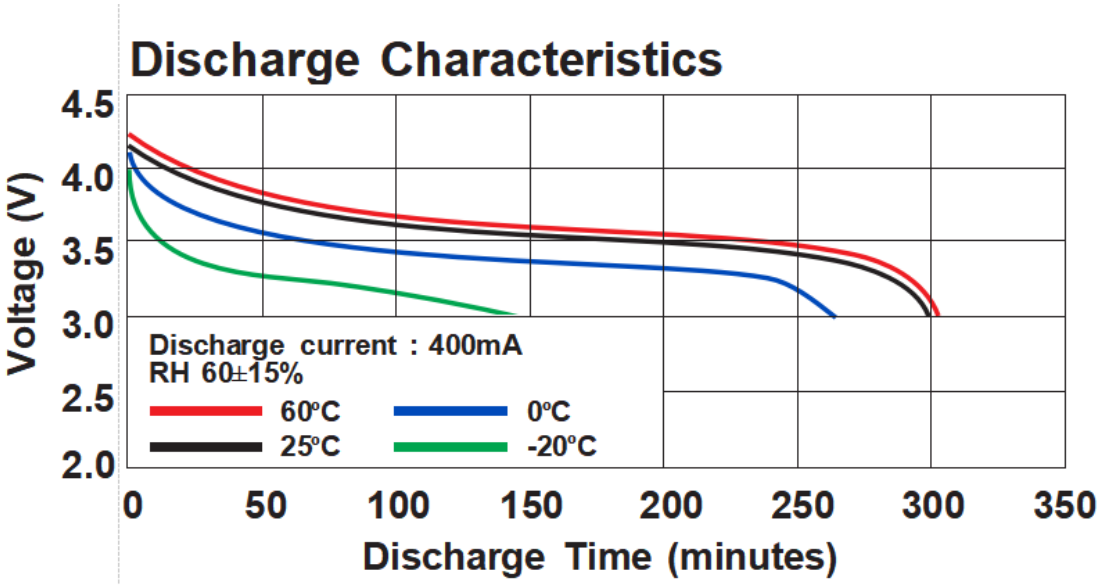
LED Power Indicator

Power Button

Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- 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.
- Use a reliable power adapter to avoid unstable current output.
- Do not mix different types of batteries or mix new and old ones together (e.g. in a power pack).
- Do not discharge the battery at a higher current than the maximum continuous discharging current. A higher discharging current may cause overheating which will lead to ballooning, swelling, or possibly result in fire. For example, a 5000mAh battery with a designed maximum 35C discharge current must not have a continuous discharge rate or load of more than 175 Amps. For longer cycle life, a continuous discharging current of 70%-80% of the designed maximum discharging current is acceptable and recommended.
- If you start seeing any physical changes to the battery while charging example puffing, STOP charging immediately and dispose of the battery responsibly.
- Lithium-ion batteries assembled to offer higher voltages (over 60V) may present electrical shock and arc hazards. Therefore adherence to applicable electrical protection standards (terminal protection, shielding, PPE etc.) is required tAVOID exposure to electrical hazards.
- Ensure that you purchase the right type and size of battery that matches the requirements of your equipment.
- Always use the appropriate balancer/charger when charging your LiPo battery pack.

- Do not use water to extinguish a buttery fire Use a Class ABC dry fire extinguisher.
- When using the adapter, make sure that the voltage and current requirements are met.
- Do not overcharge the battery and observe the charger and battery charge time instructions.