3.7V Lithium Polymer Battery Data Sheet

Model: 454360

Please Find More:

https://www.fpbattery.com/1200mah-lipo-battery/

File Number: A/FP4360-10338

File Version: 01

CONTACT

CUSTOMER SERVICE
86.755.3682.7358
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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 454360
Nominal Voltage	3.7 V
Nominal Capacity	1200 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)

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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

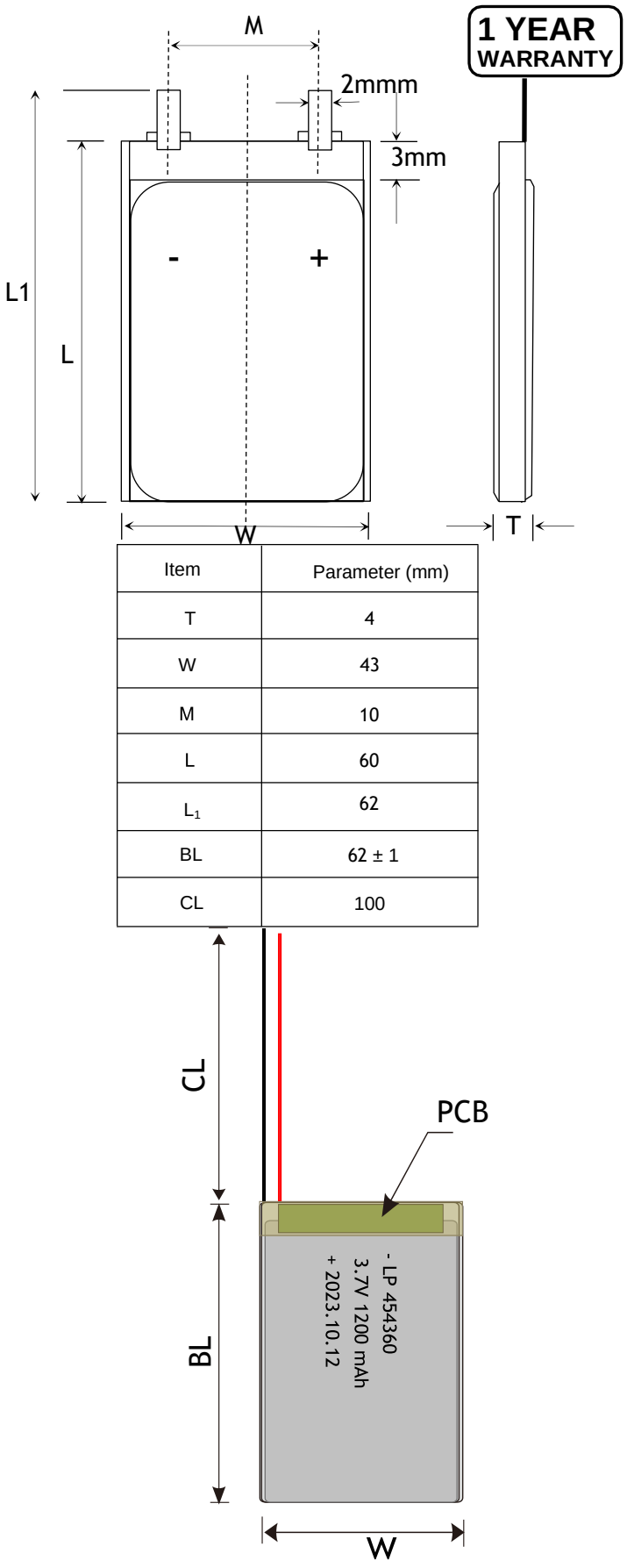
MECHANICAL SPECIFICATIONS

Dimensions	62x 43 x 4 mm(L*W*T)
Weight	Around 20 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



Item	Parameter (mm)
T	4
W	43
M	10
L	60
L_1	62
BL	62 ± 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



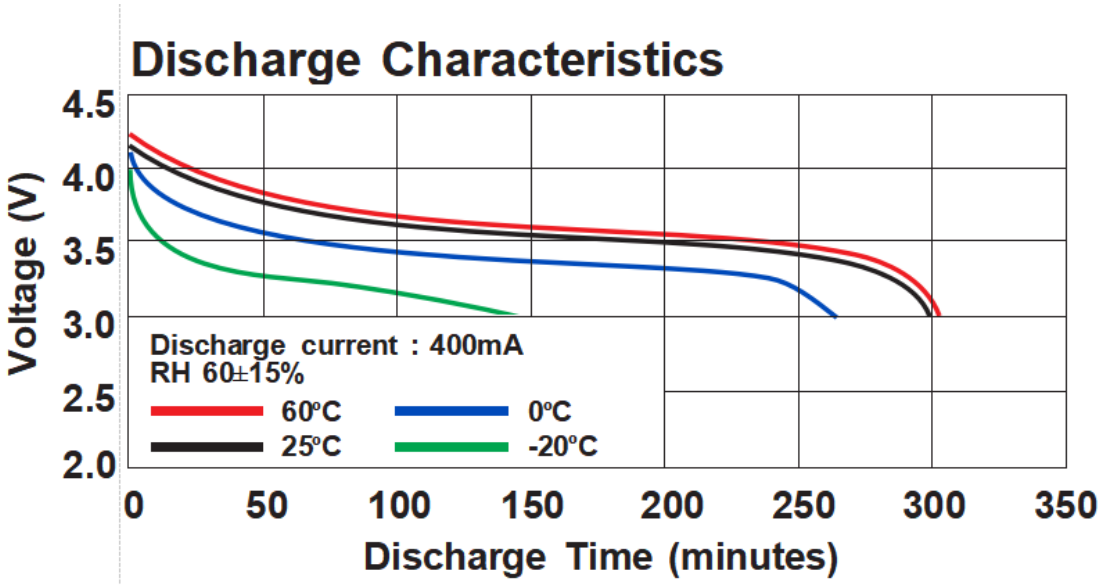


LED Power Indicator



Power Button

RELATIVE CURVES



ANNOUNCEMENT

- 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.
- 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.
- Only charge in an isolated area away from other flammable materials and on a non conductive and non flammable surface. Use a fireproof container. LiPo battery fires can not be extinguished. If a fire occurs, contain it by covering it with a fire blanket until it burns itself out.
- Never store or charge the battery inside your car or in extreme temperatures. Extreme temperatures might ignite the battery and cause fire. 7) Store the battery in a location inaccessible to children. Be sure that children do not remove the battery from the charger or model.
- Do not allow charging to continue above 4.20V per cell. This is VERY important as a fire could result.
- Use low voltage cutoff switch or monitor battery voltage while in use on equipment. Do not allow voltage to drop below 3.0 volts.
- Obtain container to safely transport LiPo batteries between the labs and use locations. Remove from vehicle once at the destination.
- Do not crush or bend the battery.
- If at anytime you notice a cell "puff up", disconnect it immediately and cover it with a fire blanket, or put it in a non-conductive container and place it outside away from all flammable objects for at least 30 minutes as chemical reactions can take this long before a fire starts.
- Never leave a charging LiPo battery pack unattended. Never store batteries inside of an automobile.
- Avoid short-circuiting the battery. Though short-circuiting for short time will not damage the battery, doing so for a long time will damage the battery and may overheat the battery causing burns, fire or explosion.