3.7V Lithium Polymer Battery Data Sheet

Model: 454850

Please Find More:

https://www.fpbattery.com/3-7v-1100mah-lithium-polymer-battery/

File Number: A/FP4850-2893

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/

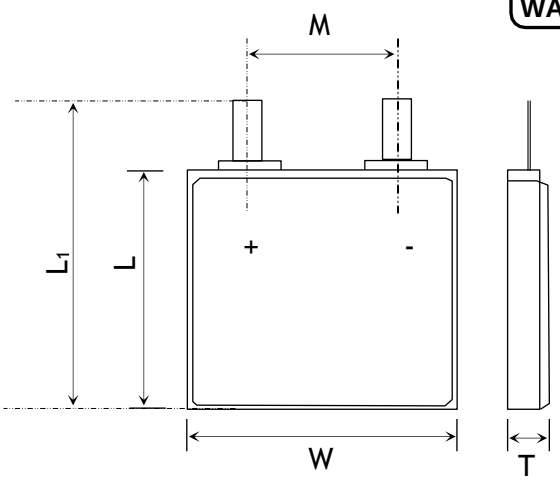
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 454850
Nominal Voltage	3.7 V
Nominal Capacity	1100 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	4
W	48
M	10
L	50
L_1	52
BL	52 ± 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

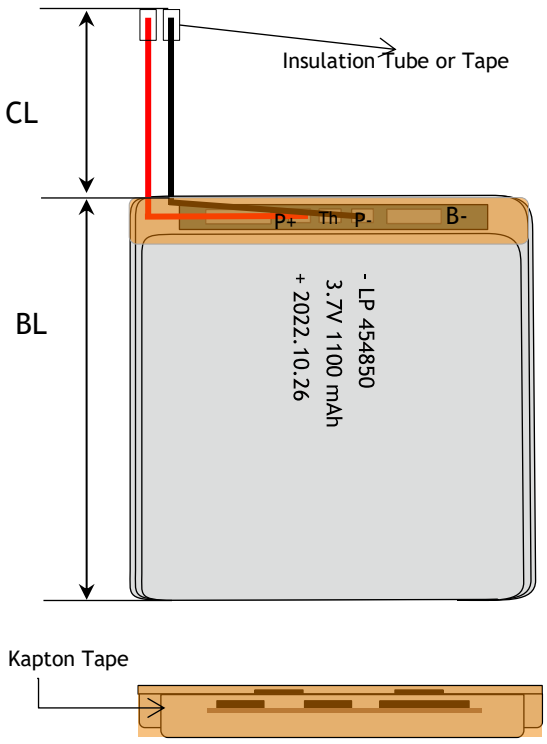
MECHANICAL SPECIFICATIONS

Dimensions	52x 48 x 4 mm(L*W*T)
Weight	Around 18 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

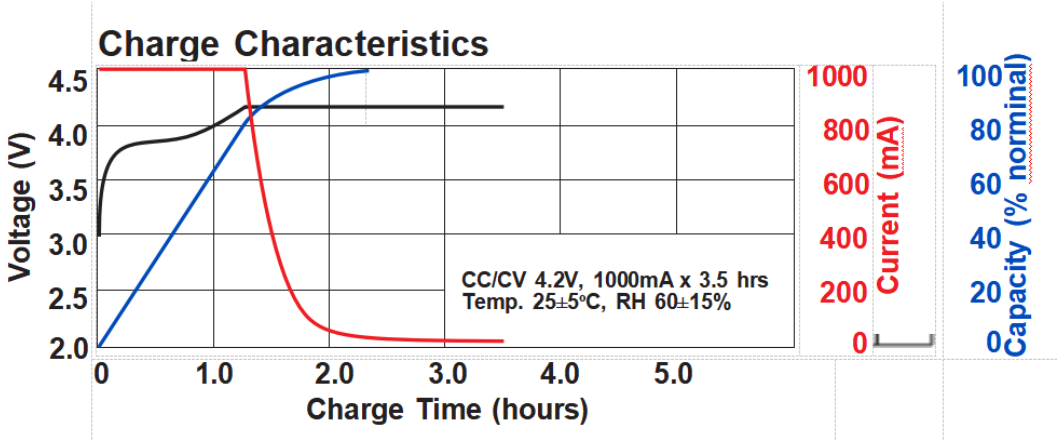
Popular JST,Molex,Hirose,Anderson available

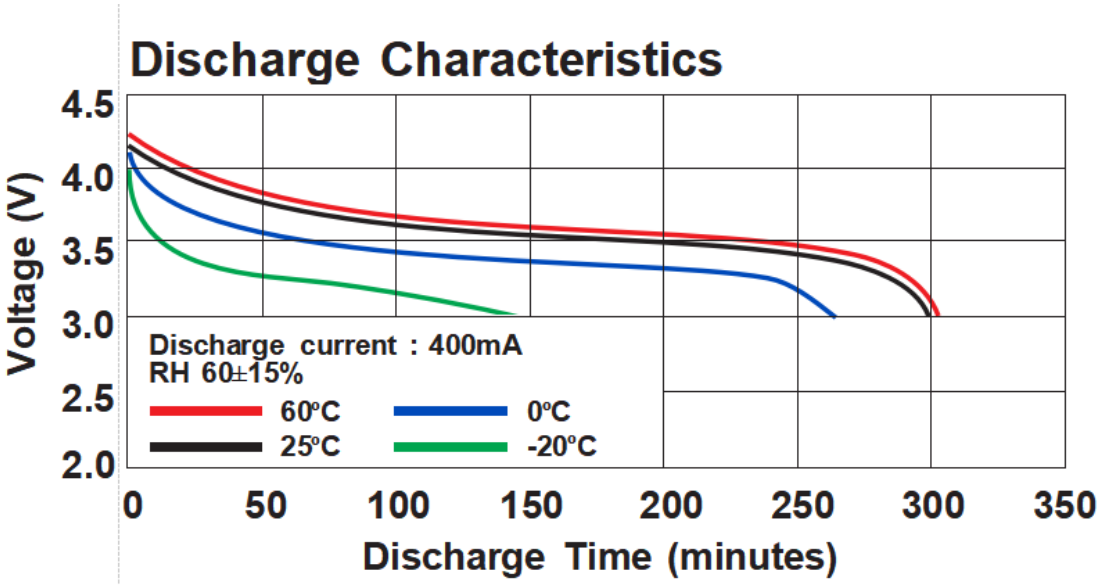
LED Power Indicator

Power Button

Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- It is prohibited to disassemble a LiPo battery, this may generate a gas release or cause a fire
- Avoid prolonged use of higher power devices.
- Keep all batteries out of the reach of children.
- Always guard against any possible short circuit.
- Dispose of defective Lipos in accordance with local ordinances and in a safe manner.
- LiPo batteries must only be charged with a manufacturer recommended LiPo charger.
- Discharge Lipo Battery at Environmental temperature : -20°C~60°C.
- Do not charge cells that have been stored in cold conditions (below 10ºC/50ºF), let them warm up (above (10ºC/50ºF), for a minimum of 60 minutes (longer is better).You risk an explosion if you attempt to use cells that have been stored at or below 0ºC (32ºF), Warm them first for at least 60 minutes (longer is better) above 10ºC (50ºF) before charging or discharging.
- Avoid prolonged exposure to high temperatures
- If you notice hot cells, disconnect the charger and remove any external short circuit if present.
- During discharging and handling the batteries, do not exceed 160°F (71°C). Otherwise, the battery may be damaged and a fire may result.