3.7V Lithium Polymer Battery Data Sheet

Model: 452744

Please Find More:

https://www.fpbattery.com/3-7v-500mah-lithium-polymer-battery/

File Number: A/FP2744-14513

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/

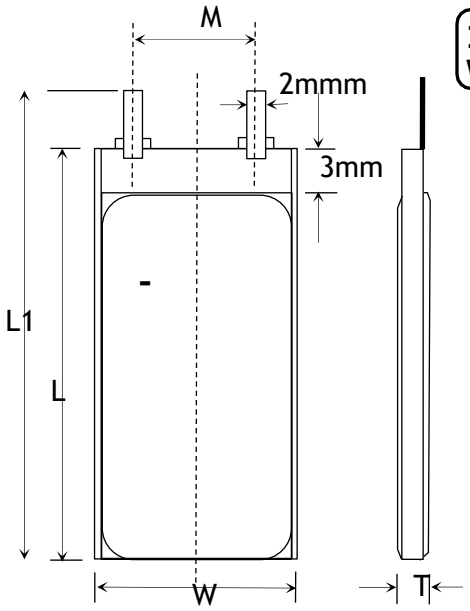
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 452744
Nominal Voltage	3.7 V
Nominal Capacity	535 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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1 YEAR WARRANTY



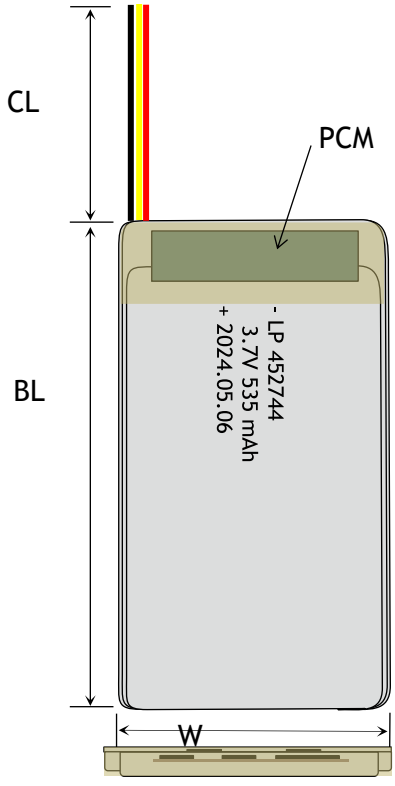
Item	Parameter (mm)
T	4
W	27
M	10
L	44
L_1	46
BL	46 ± 1
CL	100

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

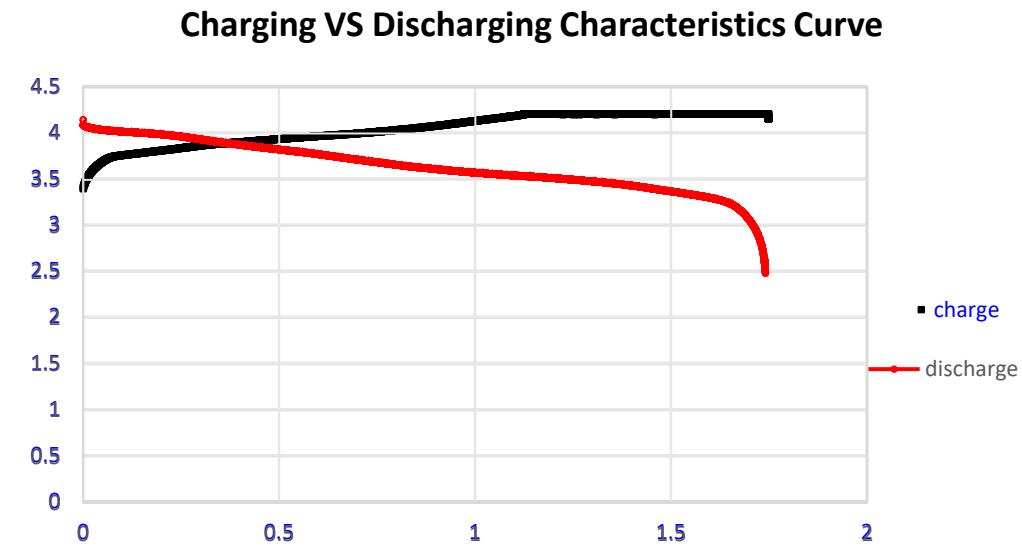
Dimensions	46x 27 x 4 mm(L*W*T)
Weight	Around 8 g
Battery Terminals	WC/ FL *

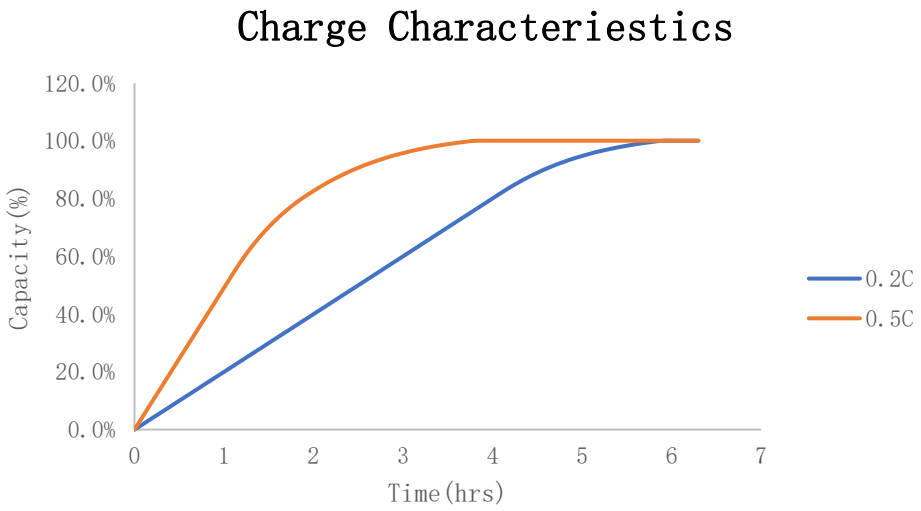
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

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

RELATIVE CURVES





ANNOUNCEMENT

- Charge on non-conductive, non-combustible surfaces.
- Do not apply excessive mechanical stress to the battery.
- Periodically check that the battery connectors and cables are intact.
- Regularly check the condition of the battery. Do not use if damaged or swollen
- 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.
- A 5s4p battery pack means that the pack contains 5 cells in a series circuit and 4 cells in a parallel circuit. Since each cell is 3.7v (nominal) a 5s LiPo battery has a nominal voltage of 18.5V, a fully charged voltage of 21.0V and a maximum discharged voltage of 15.0V before damage occurs.
- If leaking material is present, do not touch it.
- Never let the positive and negative battery leads touch each other. It can lead to cell ballooning, cell damage, fire or an explosion.
- Only charge LiPo batteries with chargers specifically designed to charge LiPo batteries. NEVER use a NiMH or NiCd charger! Failure to use a proper charger might cause a fire resulting in personal injury and/or property damage. Some LiPo chargers on the market may have technical deficiencies which may result in incorrect charging or charging at an improper rate. It is your responsibility to determine that your charger works properly.
- Have a class ABC or CO2 fire extinguisher nearby the storage area.
- AVOID storing bulk quantities of Li-Ion or LiPo batteries.