3.7V Lithium Polymer Battery Data Sheet

Model: 553251

Please Find More:

https://www.fpbattery.com/3-7v-900mah-lithium-polymer-battery/

File Number: A/FP3251-13827

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/

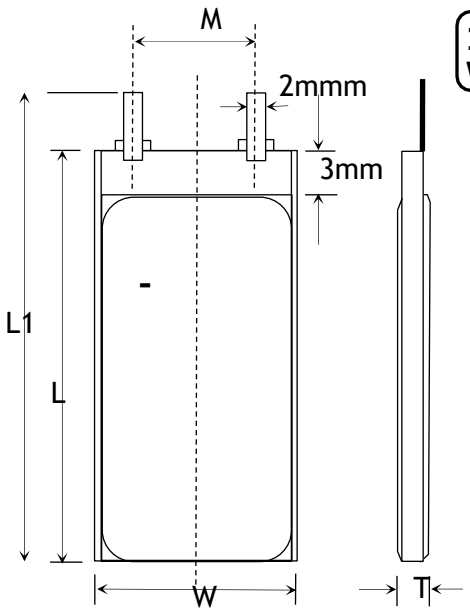
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 553251
Nominal Voltage	3.7 V
Nominal Capacity	900 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



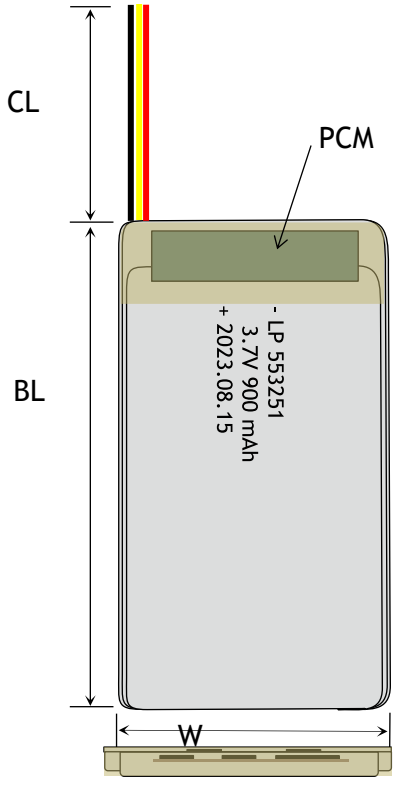
Item	Parameter (mm)
T	5
W	32
M	10
L	51
L_1	53
BL	53 ± 1
CL	100

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

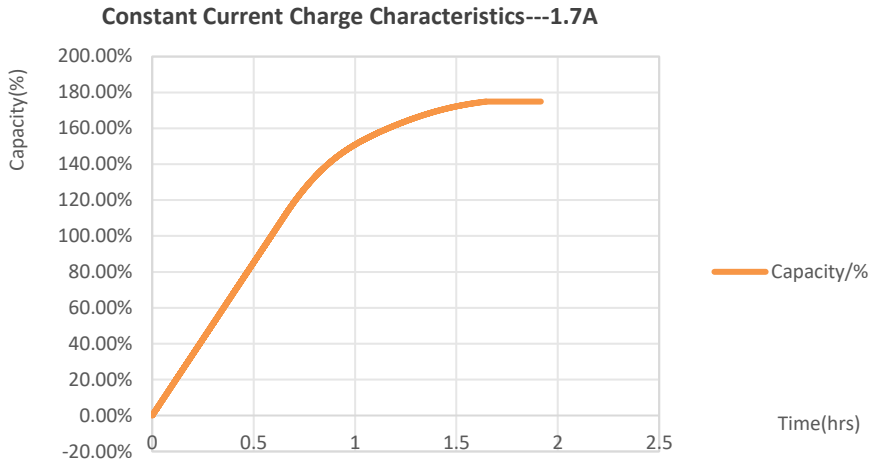
Dimensions	53x 32 x 5 mm(L*W*T)
Weight	Around 15 g
Battery Terminals	WC/ FL *

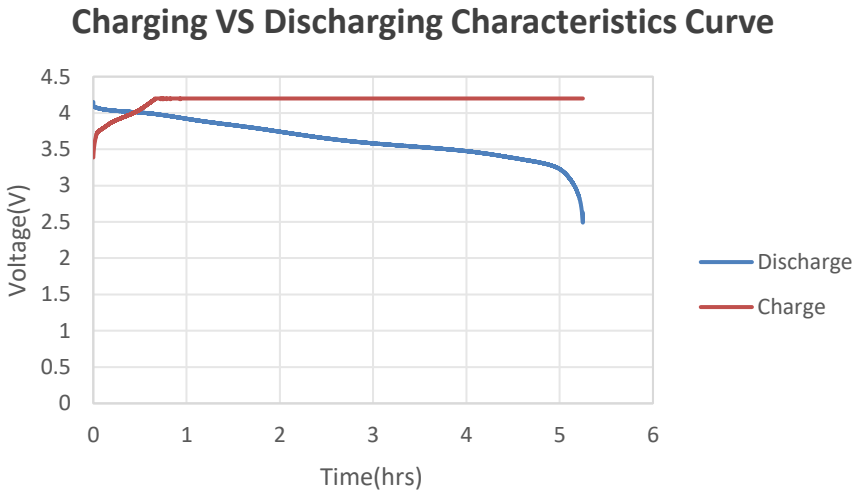
CERTIFICATION

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

- Immediately disconnect the batteries if, during operation or charging, they emit an unusual smell, develop heat, change shape/geometry, or behave abnormally.
- Do not charge LiPo batteries in a vehicle or in the engine compartment of a vehicle.
- Do not mix different types of batteries or mix new and old ones together (e.g. in a power pack).
- The battery and all electrical connections must be protected against splashing liquids. Electrical cables and connectors must be protected against accidental tearing.
- Store it in a fire-proof container in a cool dry place.
- In premises that also provide sleeping accommodation, serious consideration should be given, wherever practicable, to using timers to control socket outlets used for charging equipment
- When replacing batteries, make sure to use batteries of the same type, size and brand.
- Charging with higher current than recommended value may cause damage to cell electrical, mechanical and safety performance and could lead to heat generation or leakage.
- Do not charge the battery in a closed container.
- Never discharge your Li-Po battery below the Lowest Discharge Voltage. This may cause irreversible damage which will deteriorate battery performance and cycle life. An ESC with an adjustable low voltage cutoff is MANDATORY!
- If taking lithium batteries on an aircraft, follow FAA and IATA rules.