3.7V Lithium Polymer Battery Data Sheet

Model: 355482

Please Find More:

https://www.fpbattery.com/3-7v-5500mah-lithium-polymer-battery/

File Number: A/FP5482-12523

File Version: 01

CONTACT

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

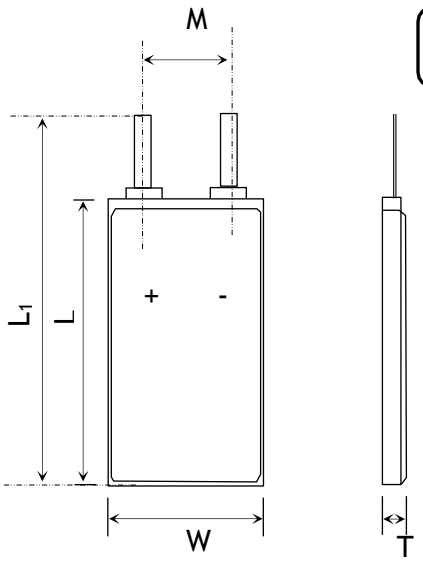
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 355482
Nominal Voltage	3.7 V
Nominal Capacity	1600 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	54
M	10
L	82
L_1	84
BL	84 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

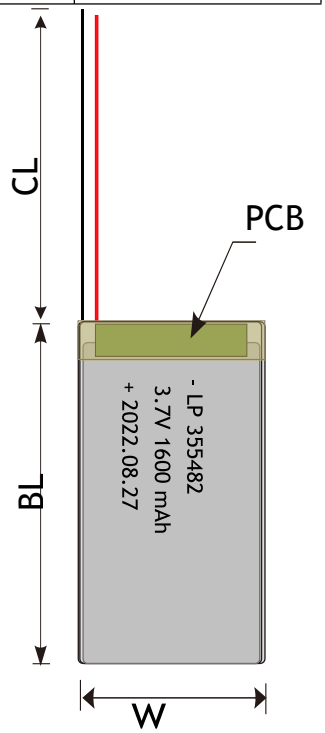
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

Over Charge	4.275 ± 50mV
Over Discharge	2.5V ± 50mV
Over Current	3A to 5A
Short Circuit	Yes

MECHANICAL SPECIFICATIONS

Dimensions	84x 54 x 3 mm(L*W*T)
Weight	Around 26 g
Battery Terminals	WC/ FL *

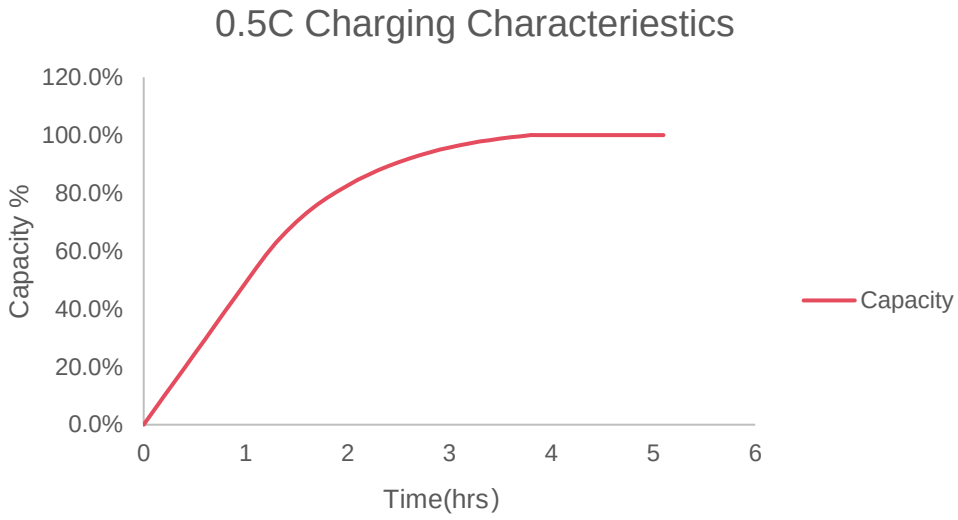


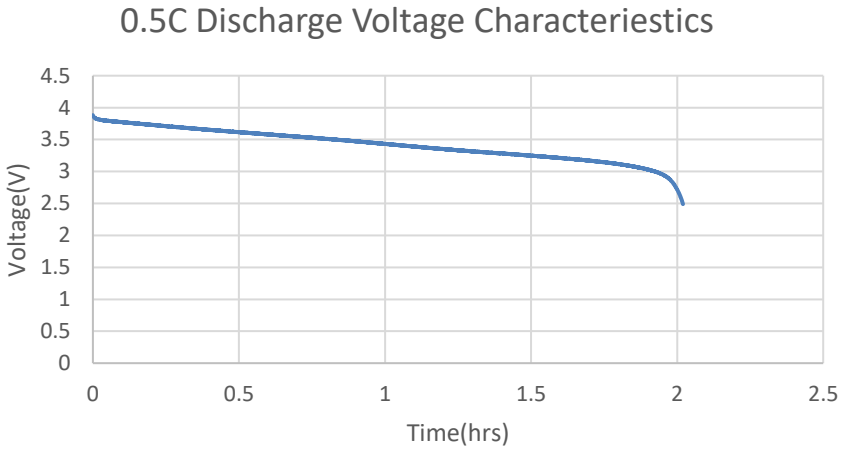
CERTIFICATION

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

- Never keep sharp objects near Lipos. This may cause a hole in the pack and can lead to a fire.
- Short circuits may cause fire and injury! If you plan to cut the battery's terminal wires, you must cut each wire individually, making sure the wires not to touch each other. Otherwise, a short circuit may occur and potentially cause a fire. If you accidentally cause the battery to short circuit, place it in a safe space and observe it for at least 15 minutes. The battery may swell or possibly catch fire during this time. Additionally, the powerful electric current may cause severe injuries if the battery leads come in contact with rings or jewelry. Dispose of used or damaged LiPo batteries at your local Hazardous Waste Facility or Recycling Center.
- Do not expose LiPo batteries to direct sunlight or leave in a hot environment (inside an automobile in hot weather) for extended periods of time.
- Charge only with an approved LiPo charger, according to the parameters for the particular battery
- Always charge the LiPo battery outdoors or in a ventilated area away from flammable objects and surfaces.
- Immediately disconnect the batteries if, during operation or charging, they emit an unusual smell, develop heat, change shape/geometry, or behave abnormally.
- Observe the polarities (Negative and Positive). Do not connect them wrongly.
- Avoid using the device for a long time in a hot environment.
- Do not use the unit without its electronic management system.
- Before starting work,make sure your Li-po batteries, chargers, and associated equipment are tested in accordance with an appropriate test standard (e.g., UL 2054), certified by a Nationally Recognized Testing Laboratory (NRTL), and rated for their intended uses.
- Never leave a charging LiPo battery pack unattended. Never store batteries inside of an automobile.