3.7V Lithium Polymer Battery Data Sheet

Model: 356787

Please Find More:

https://www.fpbattery.com/3-7v-2000mah-lithium-polymer-battery/

File Number: A/FP6787-8470

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 356787
Nominal Voltage	3.7 V
Nominal Capacity	2000 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	89x 67 x 3 mm(L*W*T)
Weight	33 g
Battery Terminals	WC/ FL *

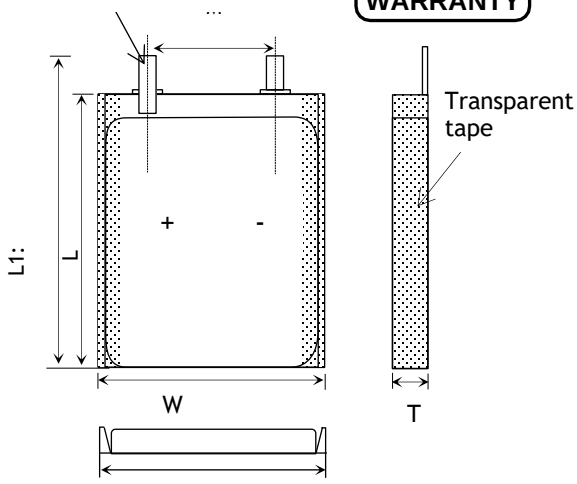
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

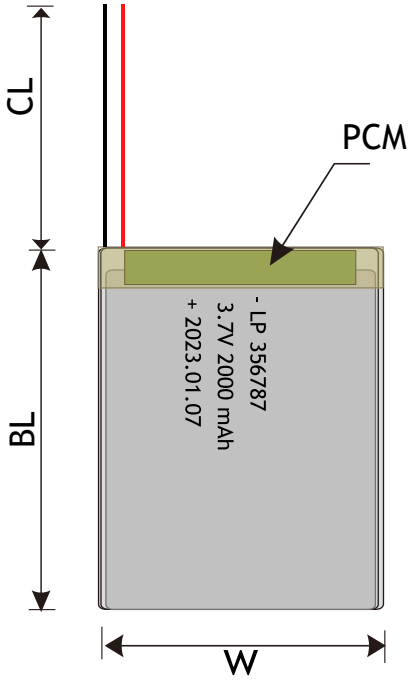
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

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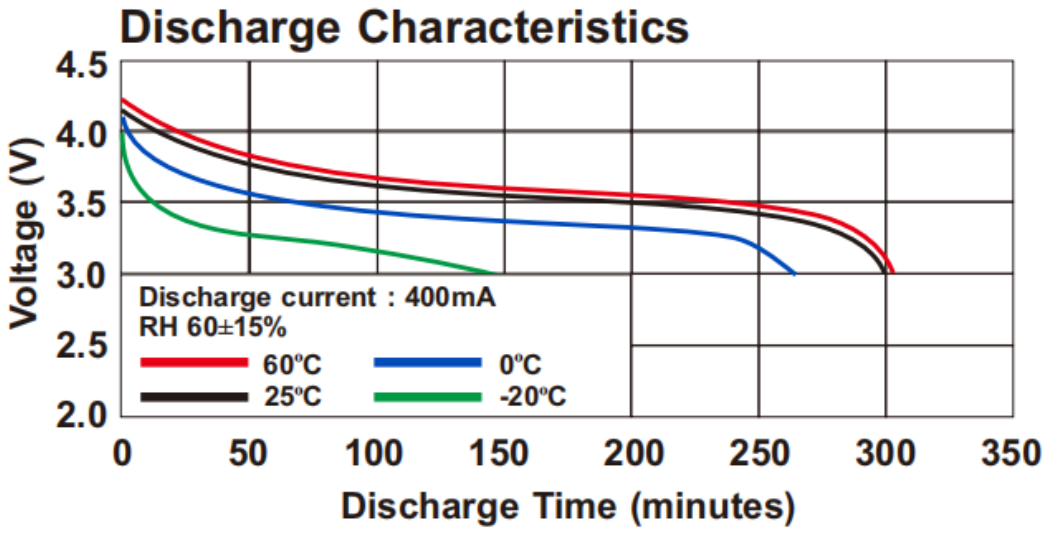
1 YEAR WARRANTY

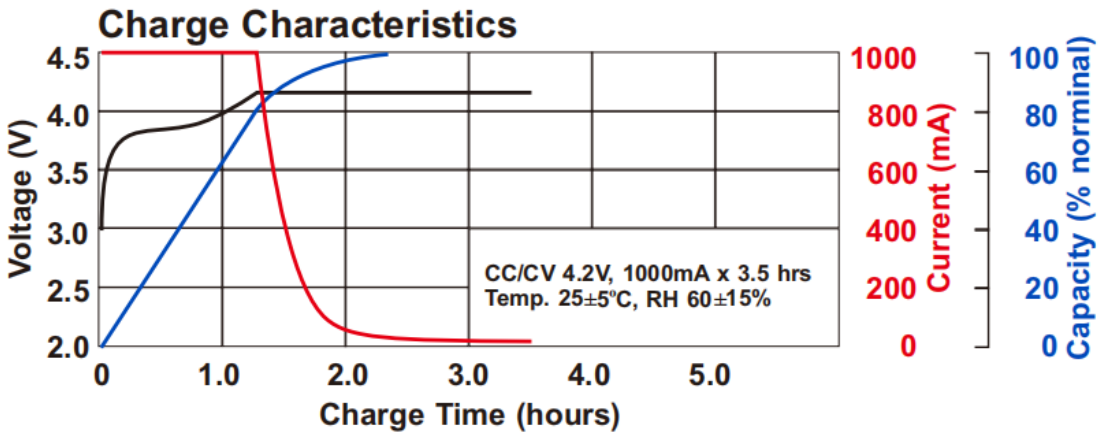


Item	Parameter (mm)
T	3
W	67
M	10
L	87
L_1	89
BL	89 ± 1
CL	100



RELATIVE CURVES





ANNOUNCEMENT

- If any of the individual cells become warm/hot compared to the other cells, disconnect it immediately and either 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.
- Store LiPo batteries at correct voltage (around 3.8 volts).
- Always inspect batteries for any signs of damage before use, check for physical damage such as cracks/bulges/indentations . Any battery that has been damaged, dented or pierced should be taken out of service immediately, segregated from other batteries and stored as set out below while awaiting safe disposal. Similarly, damaged goods containing batteries should also be segregated from other material and stored safely to await safe disposal.
- Do not charge the battery in a closed container.
- ALWAYS consider using a “Lipo Guard” or a similar protective pouch while charging LiIon and LiPo batteries (this type of pouch will contain a small fire should the battery bulge or personal laptop computers by individuals.) experience a thermal runaway event, protecting nearby items against ignition. *Note: this recommendation is not intended to apply to routine charging and use of
- Before starting work, inspect your battery for signs of damage prior to each use: bulging, hissing, leaking, or smoking. Do not use your battery if it displays any of these characteristics.
- Do not immerse the battery in water or expose it to moisture.
- Never burn, overheat, disassemble, short-circuit, solder, puncture, crush or otherwise mutilate battery packs or cells.
- NEVER alter or disassemble a Lipo battery.
- Only use chargers provided by and/or approved by the manufacturer.
- ALWAYS purchase and use batteries and devices that are listed or approved by a Nationally Recognized Testing Laboratory, such as Underwriter’s Laboratories (UL) or Intertek (ETL).