

3.7V Lithium Polymer Battery Data Sheet

Model: 252843

Please Find More:

<https://www.fpbattery.com/3-7v-300mah-lithium-polymer-battery/>

File Number: A/FP2843-12831

File Version: 01

CONTACT

CUSTOMER SERVICE

86.755.3682.7358

sales@fpbattery.com

Hours of Operation:

9:00am-6:00pm CST, Monday to Friday

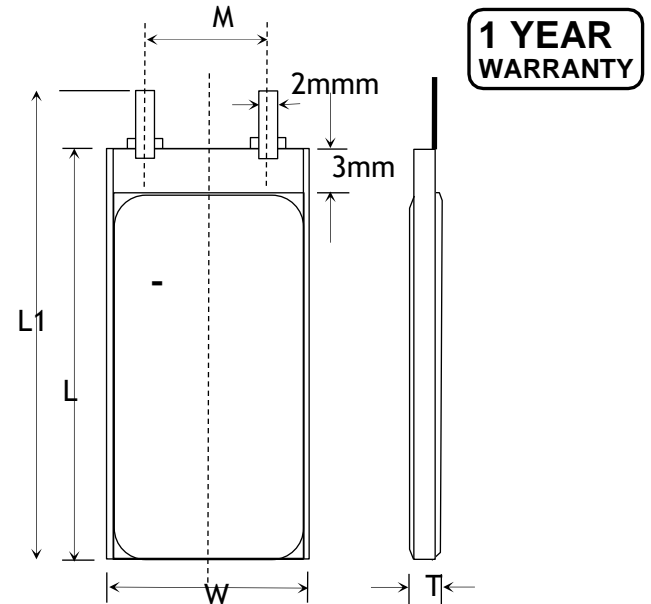
LEARN MORE ON:

<https://www.fpbattery.com/>

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 252843
Nominal Voltage	3.7 V
Nominal Capacity	300 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)



Item	Parameter (mm)
T	2
W	28
M	10
L	43
L ₁	45
BL	45 ± 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

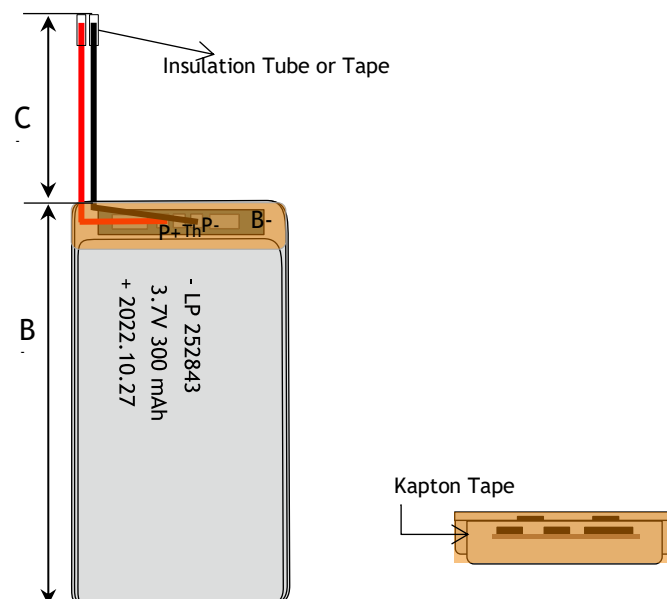
MECHANICAL SPECIFICATIONS

Dimensions	45x 28 x 2 mm (L*W*T)
Weight	Around ≤10 g
Battery Terminals	WC/ FL *

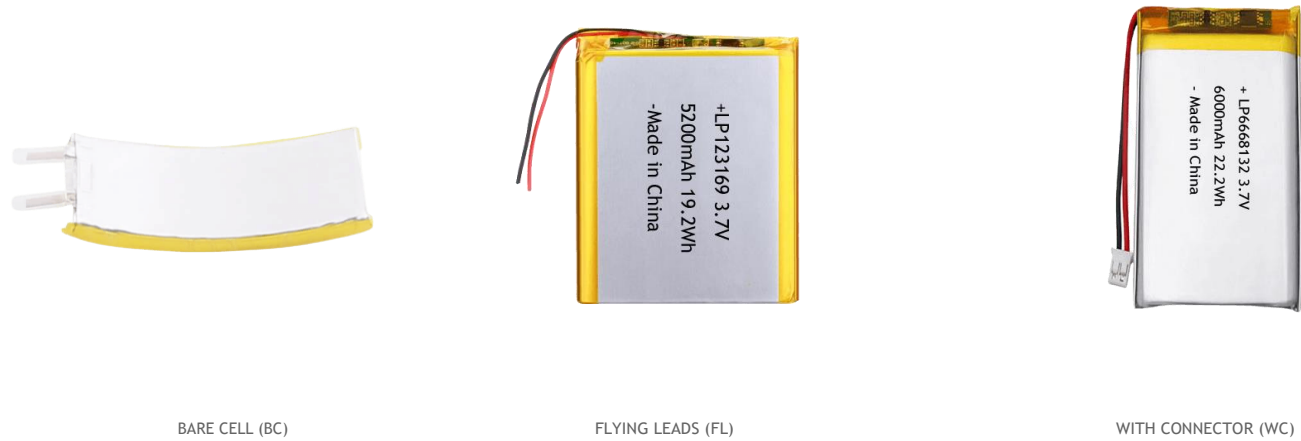
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES
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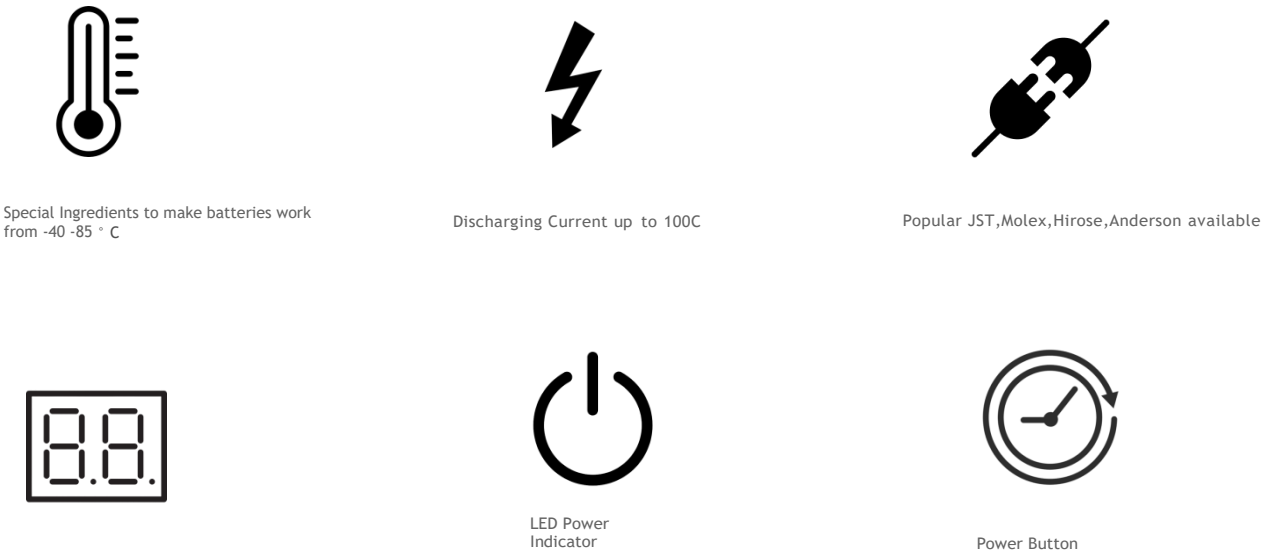
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC
BWP=Black Wrapped PVC BC= Bare Cell



BULK PRODUCTION ACTUAL PICTURES



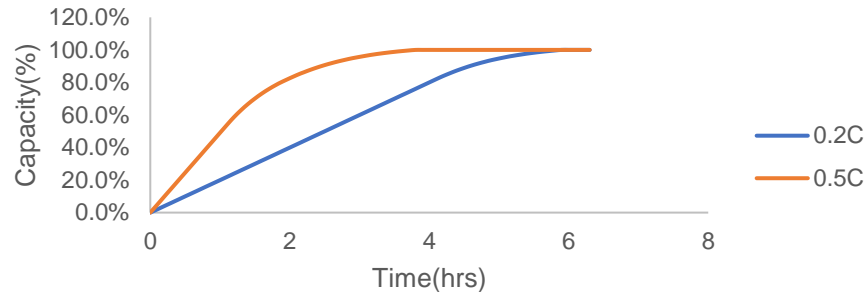
3.7V LIPO BATTERY OPTIONS



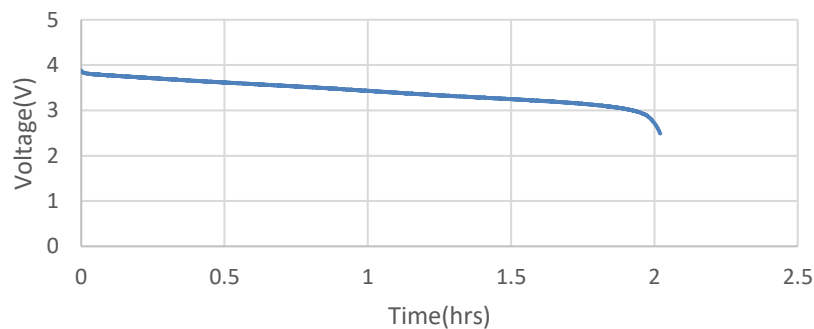
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circle up to 1500

RELATIVE CURVES

Charge Characteristics



0.5C Discharge Voltage Characteristics



ANNOUNCEMENT

- Never put LiPo batteries or battery packs in pockets, drawers or bags where they might make contact with something made of metal. This can cause a short circuit.
- Do not allow the battery to come into common contact with metal to prevent a short circuit.
- Do not vibrate the battery excessively.
- ALWAYS read and follow the manufacturer's instructions for charging, use, maintenance, and storage.
- Check cell voltage after the first charge to verify that the voltage has not exceeded the maximum charge voltage (Please refer to Chart 1). Check the voltage of each cell via the balance connector to verify that the voltage of each cell has not exceeded the maximum value.
- For systems with multiple batteries, make sure each battery is of the same type and capacity.
- NEVER attempt to charge a one-time-use (non-rechargeable) Li-Ion or LiPo battery.
- 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.
- Use only a charger designed for charging LiPo batteries. Never use any other type of charger.
- If charging indoors, only charge with a smoke detector above where you are charging.
- Store behind a fire door and where a fire alarm is situated.