3.7V Lithium Polymer Battery Data Sheet

Model: 406258

Please Find More:

https://www.fpbattery.com/3-7v-1400mah-lithium-polymer-battery/

File Number: A/FP6258-976

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/

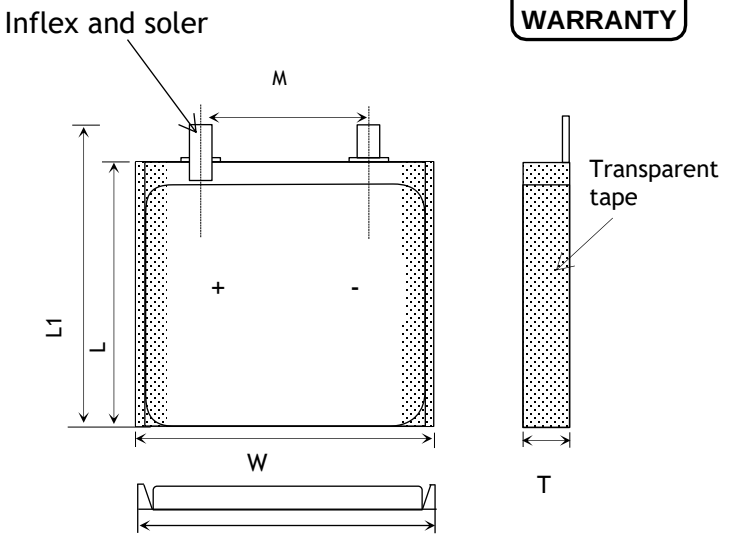
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 406258
Nominal Voltage	3.7 V
Nominal Capacity	1400 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

1 YEAR WARRANTY



Item	Parameter (mm)
T	4
W	62
M	10
L	58
L_1	60
BL	60 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

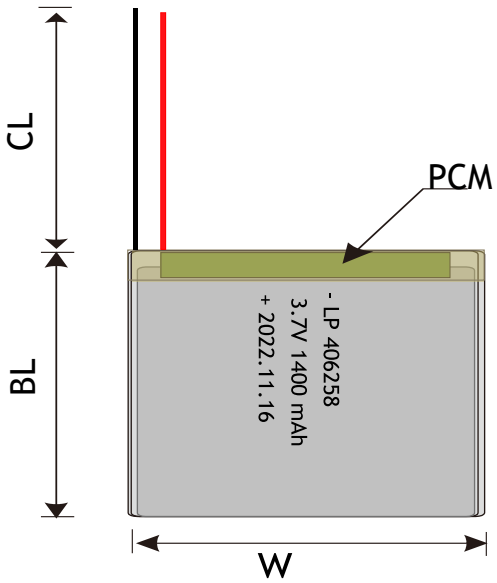
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	60x 62 x 4 mm(L*W*T)
Weight	Around 23 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

BULK PRODUCTION ACTUAL PICTURES



BARE CELL (BC)



FLYING LEADS (FL)



WITH CONNECTOR (WC)



BLUE WRAPPED PVC (UWP)



BLACK WRAPPED PVC (BWP)

3.7V LIPO BATTERY OPTIONS



Special Ingredients to make batteries work from -40 -85 ° C



Discharging Current up to 100C



Popular JST,Molex,Hirose,Anderson available



LED Power Indicator

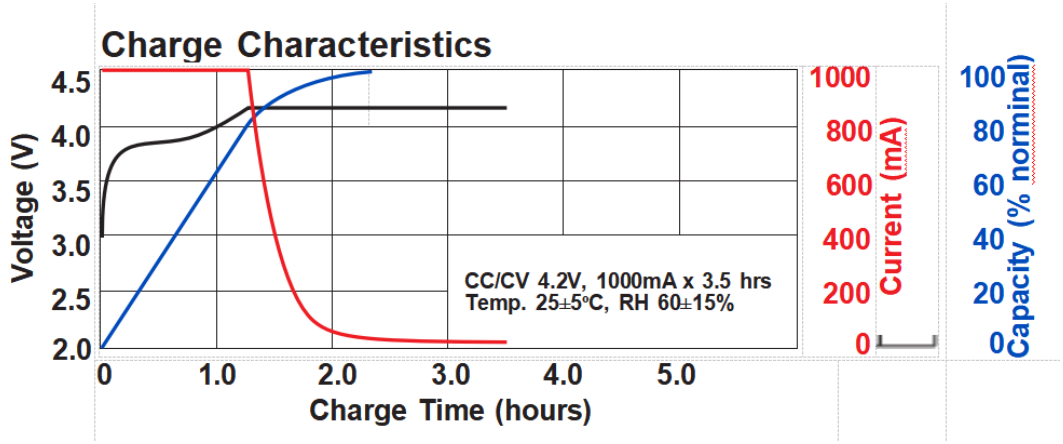


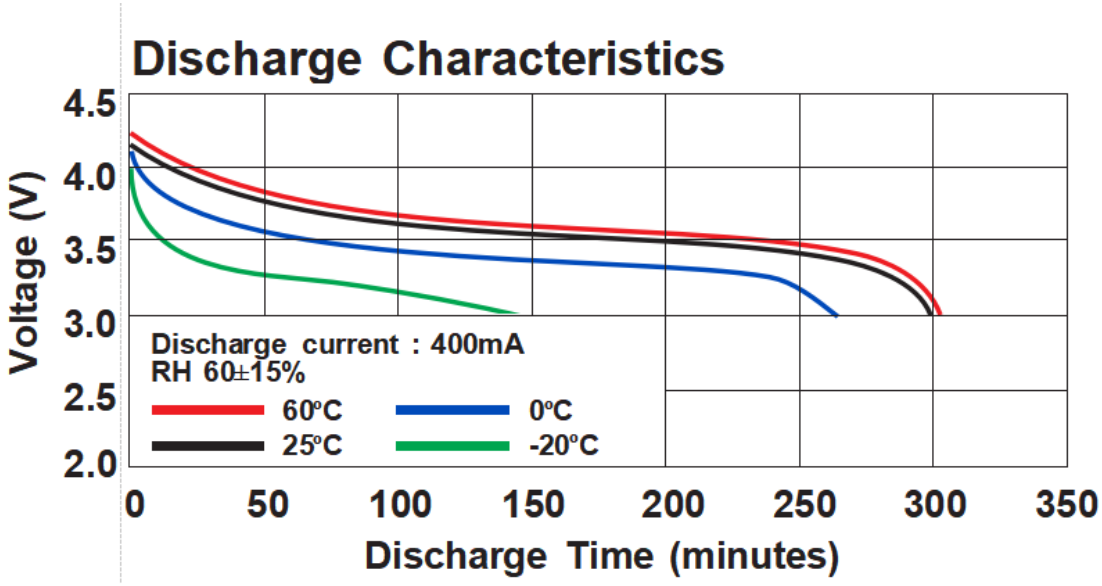
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- The cells shall never be soaked with liquids such as water, seawater drinks such as soft drinks, juices coffee or others.
- Manually check the temperature of your LiPo battery pack constantly during charging. LiPo cells should never rise above ambient temperature when being charged.
- Never leave a battery unattended while charging. During the entire process of charging your LiPo battery, you must constantly observe and monitor the charging process so that you can quickly react to any problems that may occur and to be certain that the battery is being charged properly.
- Regularly check the condition of the battery. Do not use if damaged or swollen
- Use low voltage cutoff switch or monitor battery voltage while in use on equipment. Do not allow voltage to drop below 3.0 volts.
- 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.
- Exercise caution with new products like E-Scooters where all safety considerations may not be recognized or that may encourage cheap knock-offs built without adherent to safety standards.
- It is essential to observe the polarity. Reverse polarity (POSITIVE and NEGATIVE) will damage the cells, cause the battery to swell and can damage your charger.
- l When charging LiPo batteries, they must be charged at the voltage of the number of cells in series. Example: A 5s4p pack must be charged as a 5 cell pack.

- When selecting the cell count or voltage for charging purposes, select the cell count and voltage as it appears on the battery label. As a safety precaution, please confirm that the information printed on the battery or label is correct. (Please refer to Chart 1). Selecting the wrong cell count or charging voltage may cause fire.
- ALWAYS use the charging cord supplied with the device (or only use a replacement charging cord that is specified by the device manufacturer to bean approved alternative).