Jauch Battery Solutions

- Reliable energy for your application
- Standard cells and customized packs
- ESD protection
- Battery Certification Experts

RoHS compliant

Pb free

REACH compliant

Conflict Mineral free

SPECIFICATION

Cell Used:	LI INR18650JC-26
Assembly:	1s1p
Model:	LI18650JC-26 1s1p
Jauch No.:	250832

	PREPARED BY	APPROVED BY	CUSTOMER APPROVAL	VERSION
SIGNATURE	VSI	TMU		1.2
DATE	10.06.2022	10.06.2022		

RECORDS			
Rev. No.	Date	Changed by	Description
1.0	01.03.2022	VSI	First Edition
1.1	10.06.2022	TMU	Change IEC and UN to YES
1.2	29.07.2022	VSI	Add alternative fuse to BOM and IEC report
		XXX	
		xxx	

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SPECIFICATIONS

UL1642/UL2054	YES/NO
UN 38.3	YES
IEC62133-2:2017	YES
Nominal Voltage	3.6 V
Typ. Capacity	2600 mAh (0.2C / 2.75V discharge)
Rated Capacity	2500 mAh (0.2C / 2.75V discharge)
Weight	Approx. 50g

CHARGING CHARACTERISTICS PER BATTERY PACK

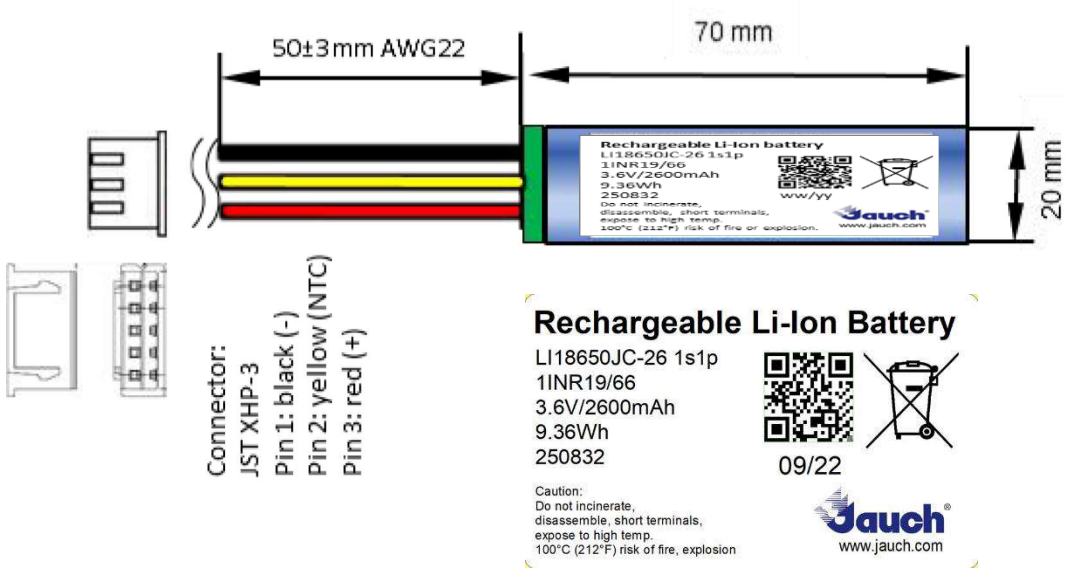
Charge Voltage	4.2 V
Standard Current	1250 mA
Max. Current	2500 mA
Operating Temperature	0°C to +45°C

PCM PARAMETER PER BATTERY PACK

Overcharge Det. Voltage	4.28 ± 0.05 V
Overcharge Rel. Voltage	4.08 ± 0.05 V
Overdischarge Det. Voltage	2.80 ± 0.10 V
Overdischarge Rel. Voltage	2.80 ± 0.10 V
Overcurrent Range	6.0 A – 12.0 A
NTC	10kΩ±1% (B=3435)
Second protection	7.0A fast acting fuse

DISCHARGING CHARACTERISTICS PER BATTERY PACK

Cut-off Voltage	2.80 V
Standard Current	1250 mA
Max. Current	3000 mA
Operating Temperature	-20°C to +60°C
Recommended Storage Temperature	-20°C to +25°C (max. 3 month)
Delivery State of Charge	Max. 30% by air Max. 60% by sea
Life Expectancy 0.2C/0.2C @25°C	500 cycles ~ 80% of capacity



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HANDLING AND STORAGE

Important notice:

If the battery is for backup use or if battery will be outside of the given temperature ranges – please consult with Jauch
When used correctly, Lithium-Battery-Packs / Rechargeable Lithium-Batteries provide a safe and dependable source of power. However, if they are misused or abused, leakage, venting, or in extreme cases explosion and / or fire may result. Make sure to observe amongst others, following warnings.

Caution:

Do not incinerate, disassemble, short terminals, expose to high temperature 100°C (212°F) risk of fire, explosion.
Keep small cells and batteries which are considered swallowable out of the reach of children.
Swallowing may lead to burns, perforation of soft tissue and death. Severe burns can occur within 2 h of ingestion.
In case of ingestion of a cell or battery, seek medical assistance promptly.

Handling

- Do not insert batteries in reverse. Observe the polarity markings on battery and equipment
- Do not short-circuit batteries
- Do not overcharge batteries
- Do not force discharge batteries
- Do not mix batteries
- Do not overheat batteries by exposure to high temperatures and direct sunlight.
- Do not weld or solder directly to batteries
- Do not dismantle batteries
- Do not deform batteries
- Do not dispose of batteries in fire
- A battery with a damaged pouch should not be exposed to water
- Do not allow children to replace batteries without adult supervision
- Keep batteries out of the reach of children. In case of ingestion of a cell or battery, the person involved should seek medical assistance promptly
- Equipment intended for use by children should have battery compartments which are tamper-proof
- Do not encapsulate and/or modify batteries
- Exhausted batteries should be immediately removed from equipment and disposed of
- When discarding batteries with solder tags, insulate the tags by wrapping them with tape, foil, etc.

Storage

- Store unused batteries in their original packaging and keep them away from metal objects which may short circuit them.
- Storing unpackaged cells together could result in cell shorting and heat build-up
- Store and display batteries in their original packaging in well ventilated, dry and cool conditions
- Avoid storing or display batteries in direct sun or in places where they get exposed to rain
- The normal storage of Lithium-ion Polymer Battery Pack is made at temperature between +10°C and +25°C, never exceeding +30°C In this way the maximum shelf-life (i.e. max. retention of cell performances after storage periods) of Lithium-Ion-Battery Pack is achieved
- Storage temperatures above room temperature will increase the rate of self-discharge, reducing the available capacity of the cell. Humidity above 95% R.H. and below 40% R.H. should also be avoided for sustained periods, as these extremes are detrimental to batteries
- Storing the cells / batteries at low temperature is also suggested, but attention must be paid when transferring the cells to warmer environments, because of the possibility of having water condensing on to the cells (risk of short circuits)
- Do not stack battery cartons on top of each other exceeding a specified height. The height is clearly dependent on the strength of the packaging. As for general rule this height should not exceed 1.5 m for cardboard packages or 3 m for wooden cases. The above recommendations are equally valid for storage conditions during prolonged transit. Thus, batteries should be stored away from ship engines and not left for long periods in unventilated metal box cars (containers) during summer.

Charge

- Charging method must be Constant Current – Constant Voltage (CC-CV)
- The specified charging characteristics shall not be exceeded

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www.jauch.com