

To work together with the lithium battery charging circuits, packs for mobile devices or electronics I+D LED offers the IRC18650 rechargeable lithium batteries, ideal for all types of wireless applications. Easy maintenance and good performance, these batteries are the ideal partner in your project. Up to 2200mAh in your pack, with the possibility of 2800mAh on request. Tested under the UN383 standard. They have UL certificate.



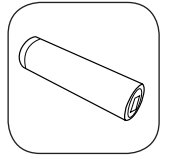
In compliance with:
UN383 – UL

TECHNICAL DATA

- Capacity = 2200mAh - 8.14Wh
- Dimensions: 18x65x5mm
- Number of cells and model = 1CELL - 18650
- No overload protection or short circuits.
- Cut-off voltage = 3V
- Maximum Load voltage = 4.2V
- Use to incorporate, in accordance with CE directives.

SPECIFIC TECHNICAL DATA

CODE	TYPE	CONTACTS	VOLTAGE	CAPACITY	OPERATING TEMP (°C)	MOQ	Weight
31.70.18650	18650	nickel metal	3,7V	2200mAh	-5°C + 45°C	100	50 grs
31.70.18650.2	18650	nickel metal	3,7V	2800mAh	-5°C + 45°C	100	50 grs



SECURITY AND INSTALLATION INFORMATION



POWER INPUT

The battery power and charge should never exceed 4V.

18650 rechargeable batteries must be powered at constant and stabilized voltage. 18650 batteries have polarity and must be respected as well as nominal voltages and currents. Otherwise the battery will be irreversibly damaged. A system with protection against short circuit, high temperature and overloads must be used with 18650.



ISOLATION

The batteries work at a SELV voltage, no insulation with active parts is necessary, as long as the SELV voltages are not exceeded. The Driver designed or used to charge the batteries will have to comply at all times with the current regulations of CE, UL or similar.



ASSEMBLY AND INSTALLATION

I+D LED S.L. It is not responsible for the installation. The installer must place the 18650 BATTERIES correctly and respecting nominal electrical values. In all cases, compression stress or surface tension on the batteries must be avoided. The ideal cable to use for the connection is the flexible multipolar 0.2-0.75mm². In case of PACKS.



TEMPERATURE

Life of the batteries depends largely on the temperature. Under no circumstances indicated working temperature limits can't be exceeded (45 °C). Since the response and operation of the device will be significantly affected. Ambient temperature data should be checked in the worst case to guarantee the hours of life as well as ensure the warranty. Devices should be stored at a maximum temperature of -20°C + 45°C and humidity of 65%.