

ORION SC 2200mAh Cell

Ni-Cd Rechargeable Battery



ORION rechargeable nickel-cadmium batteries feature the performance, high-power and reliability needed for today's high- technology equipment. It is suitable for making safe and economical battery packs. It can power a wide range of devices including an emergency lighting, toys, medical devices etc.

Do not purchase Ni-Cd batteries before reading and understanding these safety cautions. Using a Ni-Cd cell incorrectly may cause it to leak, generate heat, smoke, catch on a fire, or explode.



SAFETY

- +The cell must stay in the operating temperatures outlined in its data sheet.
- +The cell must not exceed voltage, current, and other ratings in its data sheet.
- +Store batteries separately, and do not transport without proper packaging.
- +Never store or transport together with conductive or metallic objects particularly in a pocket or bag.
- +Do not keep in the sun, in a hot car, or anywhere with direct heat.
- +If the cell is attached to a PCB, keep it away from high-static environments.
- +Recycle discontinued batteries according to local regulations and cover terminals with insulating tape before disposal.
- +Discharge end or cut-off voltage in data sheet is lower-limit for discharge cycle and should not be exceeded.
- +Charger or device should implement warning for over-voltage, over current, and over-temperature, control of overcharge, and charge timer.
- +Be careful not to short-circuit.

TECHNICAL DATA

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|--------------------------------------|------------------|
| Cell Dimensions | 22.1x43mm |
| Cell Weight | 130g + 5g |
| Cell Capacity (nominal) (0.2 C Rate) | 2200mAh |
| Voltage (nominal) | 1.2V |
| Internal Resistans (23 ± 2°C) | <15mΩ |
| Energy Density | 2640mWh |
| Recommended Standard Charge Method | 220mA x 15hours |
| Rapid Charge Method | 660mA x 4hours |
| Maximum Continuous Discharge | 6600mA (3C) |
| Discharge Cut-off Voltage | 1V |
| Cycle Life | ≥500 cycles |
| Operating Temperature | -20°C to 60°C |
| Storage Temperature | -20°C to 35°C |
| Charge Retention | 1650mAh (28days) |