

ORION LR20 D Alkaline Cell

Alkaline Batteries



Orion Alkaline batteries are very small, very light, and great for small and low-power devices. They're also fairly safe, have a long shelf life and fairly inexpensive per unit. These batteries are the most commonly used worldwide in torch, remote control, clock, toys, digital cameras, radios etc.

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



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

Cell Dimensions	34x 61mm
Cell Weight	138g
Cell Capacity (10Ω continuous to 0.9V)	12000mAh
Voltage (nominal)	1.5V
Discharge Cut-off Voltage	0.9V
Temperature range	-10°C to 45°C
Recommended Storage Temperature	20°C ± 2°C
Open Circuit Voltage (fresh)	≥1.58V
Open Circuit Voltage (after 12 months)	≥1.56V
Closed Current Voltage (fresh)	≥ 1.45V (load 3.9Ω for 0.3s)
Closed Current Voltage (after 12 months)	≥ 1.40V (load 3.9Ω for 0.3s)
Service Life (3.9Ω)	≥38hours (cut off: 0.9V)
Service Life (3.90Ω after 12 months)	≥36hours (cut off: 0.9V)