ORION 27A 12V 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 a 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 DATACell Dimensions7.7x 28mmCell Weight4.5gCell Capacity (20kΩ continuous to 6V)25mAhVoltage (nominal)12VDischarge Cut-off Voltage6VTemperature range-10°C to 45°CRecommended Storage Temperature20°C ± 2°C

Sector Content of the sector of the sect

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Open Circuit Voltage (fresh)

Closed Current Voltage (fresh)

Service Life (20k Ω)

Open Circuit Voltage (after 12 months)

Closed Current Voltage (after 12 months)

Service Life (20k0Ω after 12 months)

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≥12.30V

≥12.10V

 \geq 11.50V (load 2k Ω for 0.3s)

 \geq 11.40V (load 2k Ω for 0.3s)

≥30hours (cut off: 6V)

≥27hours (cut off: 6V)



-ORÎON®/-