



Pale Blue Earth CR123A USB-C

Protection Circuit Integrated safety circuit protects battery, ensuring it is safe to charge or use, otherwise the charging circuit and the output circuit will remain off, disabling the battery.
Over-heat Protection Operating at max output the battery will not overheat, this is part of the protection circuit.
Other Safety Protections overloaded, leakage, short circuit, over voltage, high temperature
Operating Temperature Range The operating range is -20c -> 60c, (-4F->140F). for storage and operating the higher temp shortens the shelf life, the lower temp doesn't impact it. For example at -20c -> 60c the operating life is 1 month, but at -20c -> 30c (0F -> 86F) the operating life is 12 months.
Self- Discharge The dormant / self-discharge characteristics of Pale Blue batteries are very low. This is one of the advantages of a lithium-ion battery with a control circuit, vs an alkaline or NiMh battery, where the cell discharges directly into the circuit (no control circuit). The battery life in dormant mode depends partly on the environment. High ambient temperatures, and higher humidity, increases the internal drain. But in normal circumstances a battery installed in a device, like a door lock, will last ~12 months. Physical Dimensions L=48.5mm x D=14.1mm
Capacity 860 mAh
Output Voltage: 3.0V

Max Output Power 1.0A
Efficiency 95%
Recharge Cycles Rating 1000
Charge Port Style USB-C

Charging Time 90 min	
Lithium Content 0.210g	
Individual Battery Weight 16g	
Compliance Certifications	MSDS, FCC, Pro65, EN62133-2/CE, PSE, UN38.3, Report for Safe Transport of Goods, Air Transport Classification, UKCA, CB, KC