



Pale Blue Earth High Capacity AAA

- Launching 2021 Q2
- Highlight: improvement over previous AAA from 450mAh to 750mAh



Protection circuit	Integrated safety circuit protects battery, ensuring it is safe to charge or use, otherwise the charging circuit and 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=44.2mm x D=10.2mm
Cell voltage	3.7V~4.35V
Output voltage	1.5V
Capacity	750mAh @ 1.5V. or 1125mWh @ 1.5V
Voltage/Current	5V-300mA
Output current	1.5A
Max output power	2.25W
Efficiency %	95%
Recharge cycles rating	1000
Charge port type	Micro USB
Charging time	1.5hr (@ 1.5A)
Weight (per cell)	8.4g
Certifications	IEC62133, FCC, PSE, CE, UN38.3, MSDS, Pro65