

ADVANCED LITHIUM PRIMARY BATTERY – FR03 AAA & FR6 AA



EVE offer new cylindrical lithium iron disulfide (Li-FeS_2) batteries. Cylindrical lithium iron disulfide batteries have Lithium for the anode, iron disulfide for the cathode, and a lithium salt in an organic solvent blend as the electrolyte. They deliver a voltage of 1.5V and are designed for superior performance. They are compatible in any application using 1.5V battery types AA and AAA. Some of the advantages of those batteries are: work at low temperature extremes where other types will not, excellent performance even after 15 year storage at ambient conditions and longer service than other primary battery types.

MAIN FEATURES

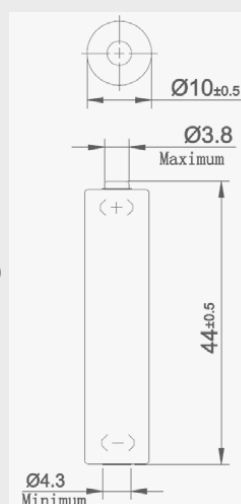
- » Direct drop-in compatibility in applications using 1.5 V "AA" and "AAA" battery sizes
- » Far greater power than other battery types
- » Provides longer service than other battery types in moderate to heavy drain applications
- » Greater service advantage over other battery types at low temperature extremes operating at -40°C
- » Higher operating voltage and flatter discharge curve than other 1.5V battery types
- » Superior leakage resistance compared to other 1.5V battery types.
- » Outstanding service maintenance when stored at ambient conditions.
- » Considerably lighter than other 1.5V battery types
- » Good service maintenance after high temperature storage up to $+60^\circ\text{C}$.
- » No added mercury, cadmium, or lead.

APPLICATIONS

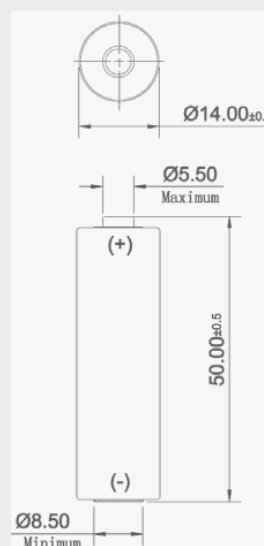
- » Wireless mouse or keyboard
- » Digital cameras
- » Medical equipment
- » GPS
- » Electronic dictionaries
- » Calculators
- » Measuring instrument ,
- » Digital video
- » Radio transceiver
- » Electronic clocks
- » Sensors

DIMENSIONS (mm)

Li- FeS_2 battery
FR03 (AAA-type)

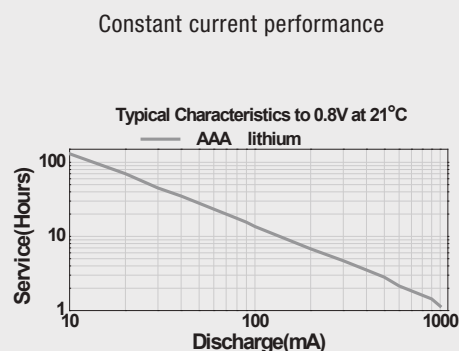
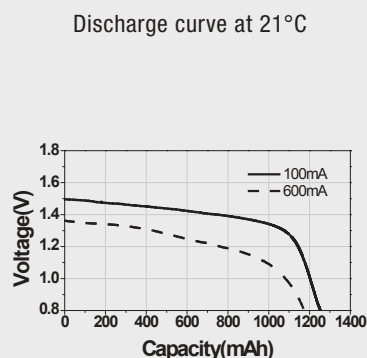
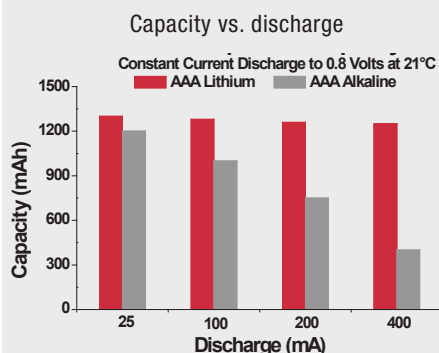


Li- FeS_2 battery
FR6 (AA-type)

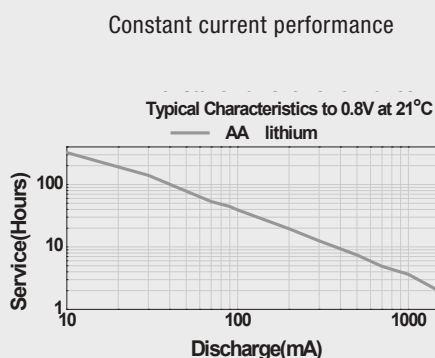
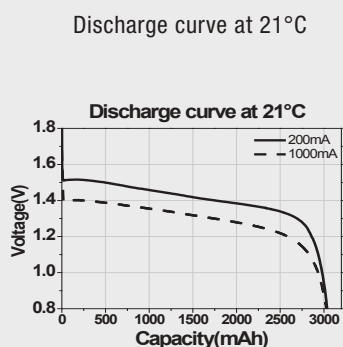
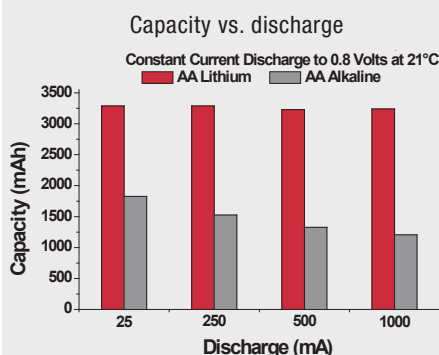


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CHARACTERISTICS FOR AAA-TYPE FR03



CHARACTERISTICS FOR AA-TYPE FR6



SPECIFICATIONS

PARAMETER	Li-FeS ₂ battery FR03	Li-FeS ₂ battery FR6
Nominal capacity (100 mA, 0.8 V off)	≥1100 mAh	≥2900 mAh
Nominal voltage	1,5V	1,5V
Max. constant current	1500 mA	2000 mA
Max. pulse current (2 sec on / 8 sec off)	2000 mA	3000 mA
Operating temperature range	-40°C ... +60°C	-40°C ... +60°C
Weight	ca.7 g	ca.15 g
Typ. IR	≤400 mΩ	≤200 mΩ