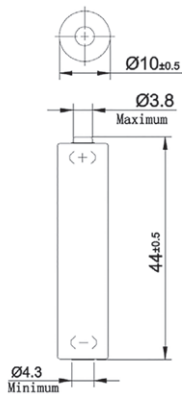


FR03 AAA – LITHIUM IRON DISULFIDE (Li-FeS₂) BATTERIES



EVE offer new cylindrical lithium iron disulfide (Li-FeS₂) 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 1.5 V and are designed for superior performance. They are compatible in any application using 1.5 V AAA batteries. 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. Samples are immediately available from stock in Nagold.

DIMENSIONS (MM)



APPLICATIONS

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

MAIN FEATURES

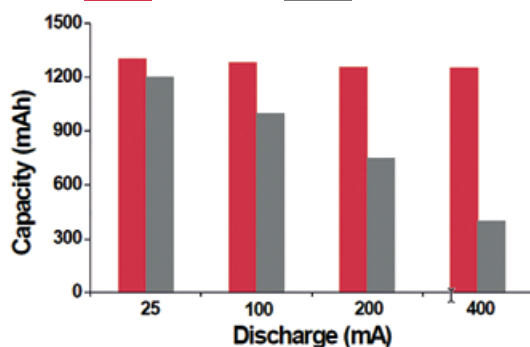
- Direct drop-in compatibility in applications using 1.5 V "AAA" battery size
- Far greater power than other battery types
- Provides longer service than other battery types in moderate to heavy drain applications
- Greater service advantage over other battery types at low temperature extremes operating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

NOMINAL CAPACITY (100 MA, 0.8 V OFF)	≥ 1100 MAH
NOMINAL VOLTAGE	1.5 V
MAX. CONSTANT CURRENT	1500 MA
MAX. PULSE CURRENT (2 SEC ON / 8 SEC OFF)	2000 MA
OPERATING TEMPERATURE	-40 ~ +60 C
WEIGHT	APPROX. 7.0 G
TYPICAL LI CONTENT	0.48 G
TYPICAL IR	≤ 400 MΩ

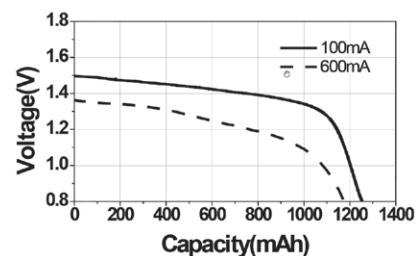
MILLIAMP-HOURS CAPACITY

Constant Current Discharge to 0.8 Volts at 21 °C

■ AAA Lithium ■ AAA Alkaline



DISCHARGE CURVE AT 21 °C



CONSTANT CURRENT PERFORMANCE

Typical Characteristics to 0.8V at 21°C

