H. Vesala Oy • Peräsimentie 1 • FI-03100 Nummela • www.vesala.fi

LITHIUM CARBON MONOFLUORIDE PIN-TYPE PRIMARY BATTERIES BR211, BR425 AND BR535

Specifications

COMMON PROPERTIES

Nominal voltage	3.0 V
Polarity	Pin is negative electrode
Chemistry	LiCFx
Self-discharge rate	<2 % / year
Shelf life	5 years
Operating temperature, nominal conditions	-20°C...+60°C
Recommended operating temperature, high current conditions	+10°C...+40°C
Storage Temperature	+0°C...+30°C
Recommended storage conditions	Cool, dry, no vibration or shock
Marking	Battery type, positive electrode

PHYSICAL PROPERTIES

Battery Type	BR211	BR425	BR535
Appearance			
Diameter	2.4 mm	4 mm	5 mm
Length	11 mm	25 mm	35 mm
Weight	90 mg	0.5 g	1.1 g
Lithium content per cell	2 mg	11 mg	30 mg
Marking	BR211 +	BR425 +	BR535 +

NOMINAL OPERATING CONDITIONS

Battery Type	BR211	BR425	BR535
Nominal discharge current	60 µA	0.5 mA	1.4 mA
Nominal capacity (20°C, nominal current)	3 mAh	25 mAh	70 mAh
Battery life (20°C, nominal current)	50 h	50 h	50 h

HIGH-CURRENT OPERATING CONDITIONS

Battery Type	BR211	BR425	BR535
Load	4 kΩ	1 kΩ	330 Ω
Loaded voltage	2.3 V	2.4 V	2.3 V
Battery life (20°C, 1.7 V cut-off)	6 h	9 h	6 h
Battery life (0°C, 1.7 V cut-off)	2 h	6 h	2 h

SAFETY CONSIDERATIONS

- Keep out of reach of children.
- Do not short circuit, recharge, puncture, incinerate, crush, compress, immerse in water, force over-discharge, or expose to above the temperature range.

TRANSPORTATION INFORMATION

- Shipping Name: Lithium Metal Batteries
- UN Number: UN 3091
- Packing Group: II
- Labels Required: Lithium Metal Batteries, Cargo Aircraft Only

2026-06-22