

# Electrovaya - EV52 Cell

*Powered by lithium-ion ceramic technology*



## Specifications

Cell Technology	NMC Cathode / Graphite Anode
Nominal Capacity	54 Ah
Gravimetric Energy Density	~220 Wh/Kg
Voltage range (min, nominal, max)	3.0, 3.7, 4.2 V
Charge Rates *	Continuous: 2C Peak: 4C for 10 min
Discharge Rates *	Continuous: 3C Peak: 5C for 5 min & up to 7C for 5 sec
Cell Operating Temperature	Discharge: -30 °C to 55 °C (-22 °F to 131 °F) Charge: 0 °C to 55 °C (32 °F to 131 °F)
Cycle life	Up to 14000+ cycles *
Dimensions LxWxT	249 x 155 x 12 mm
Weight	920 +/- 25 g

\* May vary depending on the application and the operating conditions

Electrovaya's mainstay cell, the EV-52, is certified to the highest standards and forms the backbone for all Electrovara's products.

The EV-52 is UL recognized to UL2580 and therefore meets the most stringent of safety certifications, while also providing high energy density, cycle life and performance.

Based on cutting edge NMC and electrolyte chemistry combined with a proprietary full ceramic separator, the EV-52 provides unique industry-leading performance.

## Advantages

- Extraordinary safety characteristics achieved through a thermally stable full ceramic separator
- Superior cycle and calendar life that are ideal for long-term and demanding applications
- UN38.3, and UL2580 Recognition



**INFINITY**  
LITHIUM ION CERAMIC TECHNOLOGY  
by **electrovaya**