

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 15min |
| Discharge Rates* | Continuous: 3C Peak: 5C for 10 min & up to 10C for 5sec |
| Cell Operating Temperature | Discharge: -30 °C to 55 °C (-22 °F to 131 °F) Charge: -5 °C to 55 °C (23 °F to 131 °F) |
| Cycle life* | 9,000+ cycles at 100% SOC and 1C/1C rate |
| 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



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