

COMPONENTS

# LITACELL<sup>®</sup> LC-50Q

50 Ah Lithium-ion Ceramic Cell



# LITACELL® LC-50Q

## Product Features

LITACELL® lithium-ion ceramic cell technology exhibits an outstanding combination of leading-edge cycle and calendar life, unique safety features and a superior quality level based on the well-proven LITARION® electrodes and the unparalleled SEPARION® ceramic separator membrane.

- Superior **cycle and calendar life**
- Extraordinary **safety** due to ceramic separator SEPARION®
- Quality Made in Germany components, manufactured according to ISO:9001 & ISO/TS 16949

Specifications	
Chemistry	NMC Cathode/Graphite Anode
Separator	SEPARION® Ceramic Separator
Capacity (0.5C discharged)	50 Ah
Gravimetric Energy Density	166 Wh/kg
Voltage (Max, Min, Nominal)	4.2 V, 3.0 V, 3.65 V
Charge	Continuous 2C, Pulse 4C
Discharge	Continuous 3C, Pulse 10C
Operational Temperature	Discharge -20°C to 50°C
	Charge 0°C to 40°C
Expected Cycle Life*	6000 Cycles
Dimensions (WxHxT) w/o tabs	223mm x 225mm x 11mm
Weight	< 1100g

\*Depending on operating conditions



Email: [sales@electrovaya.com](mailto:sales@electrovaya.com)  
Phone: +1.905.855.4610  
Web: [www.electrovaya.com](http://www.electrovaya.com)



Email: [info@litarion.com](mailto:info@litarion.com)  
Phone: +49.3578.3735.9554  
Web: [www.litarion.com](http://www.litarion.com)