

COMPONENTS

LITACELL[®] LC-44

44 Ah Lithium-ion Ceramic Cell



LITACELL® LC-44

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
- UN 38.3, UL1642 and UL1973 Annex E

Specifications	
Chemistry	NMC Cathode/Graphite Anode
Separator	SEPARION® Ceramic Separator
Capacity (0.5C discharged)	44 Ah
Gravimetric Energy Density	162 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	155mm x 249mm x 12mm
Weight	990 g

*Depending on operating conditions



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