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Technical specification

# ELERIX EX-L160

High Energy  
Density  
Storage  
LFP Cell

LiFePo4  
**Lithium Iron Cell**  
165 / 252

**3.2V / 160Ah / 1C**

EX-L160



- ▶ High Energy Density Cell - 1C - 160A Discharge
- ▶ Lithium Iron Phosphate - LiFePO4 Chemistry
- ▶ Long Cycle and Calendar Life (3000 cycles / 15 years)
- ▶ Wide Temperature Range, Including Sub-Zero Operation
- ▶ Superior quality and safety. No toxic chemicals

# ELERIX EX-L160

LiFePO<sub>4</sub>, Lithium Iron Cell  
3.2V / 160Ah / 1C



## ELECTRICAL CHARACTERISTICS

Items	Specification	Remarks	
Product code	EX-L160		
Nominal Voltage (V)	3,2		
Nominal Capacity (Ah)	160	Charge @0.5C Discharge @0.5C	
Nominal Energy (Wh)	512		
Form Factor	165/252 size		
Terminal type	Screw M8 Hole		
Terminal material	Copper (-) / Alu (+)		
Cell Dimension (mm)	Width	165	
	Height	252	
	Thick	39	
Cell Volume (dm <sup>3</sup> - L)	1,62		
Nominal Weigth (kg)	3,58	Average value	
Energy Density	Gravity (Wh/kg)	143	
	Volume (Wh/L)	316	
Internal Resistance mOhm (Max)	0,6		
Voltage	Minimal (V)	2,5	
	Maximal (V)	3,65	
Current	Charge	Standard (A)	53
		Max. Cont. (A)	160
	Discharge	Standard (A)	80
		Max. Cont. (A)	160
		Peak (A)	240
Cycle Life at 80% DOD	3000	@0.3C/1C, @25°C, >80% SOH	
Operating Lifespan (Calendar Life)	15 years	Average material aging estimation	
Operating Temperature	Charge (°C)	-10 ~ +45 °C	
	Discharge (°C)	-20 ~ +55 °C	
	Storage (°C)	-10 ~ +45 °C	

## KEY SAFETY FEATURES

Items	Specification
Fire	No Self-ignition, No Explosion.
Overcharge	No Explosion. No Fire.
Short-circuit	No Explosion. No Fire.
Penetration	Smoke only. No Fire.
Crush	Smoke only. No Fire.
Overheating	Stable up to +130°C. No fire.
Non-toxic	No Cobalt, No Lead-Acid.
Recycling	+90% Recyclable.

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