



You Power The Life
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Technical specification

ELERIX EX-L110

High Power LFP Cell

LiFePo4
Lithium Iron Cell

3.2V / 110Ah / 2C

EX-L110



- ▶ High Power Cell - up to 2C - 220A 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

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3.2V / 110Ah / 2C



ELECTRICAL CHARACTERISTICS

Items	Specification	Remarks		
Product code	EX-L110			
Nominal Voltage (V)	3.2			
Nominal Capacity (Ah)	110	Charge @0.5C, Discharge @0.5C		
Nominal Energy (Wh)	352			
Form Factor	165/220 size			
Terminal type	Screw M8 Hole			
Terminal material	Copper (-) / Alu (+)			
Cell Dimension (mm)	Width	165		
	Height	217	Without terminals	
	Thick	39		
Cell Volume (dm ³ - L)	1.40			
Nominal Weight (kg)	2.79	Average value		
Energy Density	Gravity (Wh/kg)	126		
	Volume (Wh/L)	252		
Internal Resistance mOhm (Max)	0.8			
Voltage	Minimal (V)	2.5		
	Maximal (V)	3.65		
Current	Charge	Standard (A)	36.7	
		Max. Cont. (A)	110	
	Discharge	Standard (A)	110	
		Max. Cont. (A)	220	≤ 3 min, temp ≤ 50°C
		Peak (A)	275	≤ 30 sec, temp ≤ 50°C
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 ~ +50 °C		
	Discharge (°C)	-20 ~ +60 °C		
	Storage (°C)	-20 ~ +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.

Are you interested in more details?
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