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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

LiFePO₄, 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	Without terminals	
	Thick	39		
Cell Volume (dm ³ - 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	≤ 3 min, temp ≤ 50°C
		Peak (A)	240	≤ 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 ~ +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.

Are you interested in more details?
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