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Technical specification

# ELERIX EX-L100

High Energy  
Density  
Storage LFP  
Cell

LiFePo4  
**Lithium Iron Cell**  
VDA 130/200

**3.2V / 100Ah / 1C**

EX-L100



- ▶ High Energy Density Cell - 1C - 100A 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-L100

LiFePO<sub>4</sub>, Lithium Iron Cell  
3.2V / 100Ah / 1C



## ELECTRICAL CHARACTERISTICS

Items	Specification	Remarks		
Product code	EX-L100			
Nominal Voltage (V)	3,2			
Nominal Capacity (Ah)	100	Charge @0.5C Discharge @0.5C		
Nominal Energy (Wh)	320			
Form Factor	130/200 size			
Terminal type	Screw M10 Bolt			
Terminal material	Alu (-) / Alu (+)			
Cell Dimension (mm)	Width	130		
	Height	200	Without terminals	
	Thick	36		
Cell Volume (dm <sup>3</sup> - L)	0,94			
Nominal Weigth (kg)	2,05	Average value		
Energy Density	Gravity (Wh/kg)	156		
	Volume (Wh/L)	342		
Internal Resistance mOhm (Max)	0,8			
Voltage	Minimal (V)	2,5		
	Maximal (V)	3,65		
Current	Charge	Standard (A)	33,3	
		Max. Cont. (A)	100	
	Discharge	Standard (A)	50	
		Max. Cont. (A)	100	Continued, temp ≤ 50°C
		Peak (A)	200	≤ 30 sec, temp ≤ 50°C
Cycle Life at 80% DOD	3000	@0.3C/1C, @25°C, >80% SOH		
Operating Lifespan (Calendar Life)	15 years	Avarage material aging estimation		
Operating Temperature	Charge (°C)	-10 ~ +45°C		
	Discharge (°C)	-20 ~ +55°C		
	Storage (°C)	-10 ~ +35°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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