



You Power The Life
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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

LiFePO₄, 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	Without terminals	
	Height	200		
	Thick	36		
Cell Volume (dm³ - 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)	0 ≈ +50°C		
	Discharge (°C)	0 ≈ +50°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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