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Technical specification

# ELERIX EX-L12V12

## Multipurpose LFP Pack

12V LiFePO4 Pack  
Lithium Iron Pack  
80 / 135 / 72

**12.8V / 6Ah / 1C**

EX-L12V12



- ▶ High Energy Battery - 1C Discharge
- ▶ Lithium Iron Phosphate - LiFePO4 Chemistry
- ▶ Long Cycle and Calendar Life (2000 cycles / 10 years)
- ▶ Ready to Go Battery Pack
- ▶ Auxiliary Cell Management Connector
- ▶ Superior quality and safety. No toxic chemicals

# ELERIX EX-L12V12

12V LiFePO4 Pack, Lithium Iron Pack



## ELECTRICAL CHARACTERISTICS

Items	Specification	Remarks		
Product code	EX-L12V12			
Nominal Voltage (V)	12.8			
Nominal Capacity (Ah)	12	Charge @0.5C Discharge @0.5C		
Nominal Energy (Wh)	154			
Form Factor	Block 80 / 135 / 72			
Terminal type	XT-60F + XH2.54-5pin			
Terminal material	Wire AWG 12 – 3.3 mm <sup>2</sup>			
Cell Dimension (mm)	Width	80		
	Height	135	Pack only	
	Thick	72		
Cell Volume (dm <sup>3</sup> - L)	0.78			
Nominal Weight (kg)	1.29	Average value		
Energy Density	Gravity (Wh/kg)	119		
	Volume (Wh/L)	198		
Internal Resistance mOhm (Max)	22			
Voltage	Minimal (V)	10		
	Maximal (V)	14.6		
Current	Charge	Standard (A)	3.6	
		Max. Cont. (A)	6	
	Discharge	Standard (A)	6	
		Max. Cont. (A)	12	Continued, temp ≤ 50 °C
		Peak (A)	24	≤ 30 sec, temp ≤ 50 °C
Cycle Life at 80% DOD	2000	@0.3C/1C, @25 °C, >80% SOH		
Operating Lifespan (Calendar Life)	10 years	Average material aging estimation		
Operating Temperature	Charge (°C)	0 ≈ +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.

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