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Technical specification

ELERIX EX-L12V24

Multipurpose LFP Pack

12V LiFePO4 Pack
Lithium Iron Pack

135 / 135 / 80

12.8V / 24Ah / 1C

EX-L12V24



- ▶ 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-L12V24

12V LiFePO4 Pack, Lithium Iron Pack



ELECTRICAL CHARACTERISTICS

Items	Specification	Remarks	
Product code	EX-L12V24		
Nominal Voltage (V)	12.8		
Nominal Capacity (Ah)	24	Charge @0.5C Discharge @0.5C	
Nominal Energy (Wh)	307		
Form Factor	Block 135 / 135 / 80		
Terminal type	XT-60F + XH2.54-5pin		
Terminal material	Wire AWG 12 – 3.3 mm ²		
Cell Dimension (mm)	Width	135	
	Height	135	
	Thick	80	
Cell Volume (dm ³ - L)	1.46		
Nominal Weigth (kg)	2.50	Average value	
Energy Density	Gravity (Wh/kg)	123	
	Volume (Wh/L)	211	
Internal Resistance mOhm (Max)	18		
Voltage	Minimal (V)	10	
	Maximal (V)	14.6	
Current	Charge	Standard (A)	7.2
		Max. Cont. (A)	12
	Discharge	Standard (A)	12
		Max. Cont. (A)	24
		Peak (A)	48
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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