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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	Pack only	
	Thick	80		
Cell Volume (dm ³ - L)	1.46			
Nominal Weight (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	Continued, temp ≤ 50 °C
		Peak (A)	48	≤ 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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