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Technical specification

ELERIX EX-L12V18

Multipurpose LFP Pack

12V LiFePO4 Pack
Lithium Iron Pack

102 / 135 / 80

12.8V / 18Ah / 1C

EX-L12V18



- ▶ 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-L12V18

12V LiFePO4 Pack, Lithium Iron Pack



ELECTRICAL CHARACTERISTICS

Items	Specification	Remarks		
Product code	EX-L12V18			
Nominal Voltage (V)	12.8			
Nominal Capacity (Ah)	18	Charge @0.5C Discharge @0.5C		
Nominal Energy (Wh)	230			
Form Factor	Block 102 / 135 / 80			
Terminal type	XT-60F + XH2.54-5pin			
Terminal material	Wire AWG 12 – 3.3 mm ²			
Cell Dimension (mm)	Width	102		
	Height	135	Pack only	
	Thick	80		
Cell Volume (dm ³ - L)	1.10			
Nominal Weigth (kg)	1.90	Average value		
Energy Density	Gravity (Wh/kg)	121		
	Volume (Wh/L)	209		
Internal Resistance mOhm (Max)	20			
Voltage	Minimal (V)	10		
	Maximal (V)	14.6		
Current	Charge	Standard (A)	5.4	
		Max. Cont. (A)	9	
	Discharge	Standard (A)	9	
		Max. Cont. (A)	18	Continued, temp ≤ 50°C
		Peak (A)	36	≤ 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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