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Technical specification

ELERIX EX-L12V6

Multipurpose LFP Pack

12V LiFePO4 Pack
Lithium Iron Pack
80 / 68 / 68

12.8V / 6Ah / 1C

EX-L12V6



- ▶ 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

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12V LiFePO4 Pack, Lithium Iron Pack
12.8V / 6Ah / 1C



ELECTRICAL CHARACTERISTICS

Items	Specification	Remarks		
Product code	EX-L12V6			
Nominal Voltage (V)	12.8			
Nominal Capacity (Ah)	6	Charge @0.3C Discharge @0.3C		
Nominal Energy (Wh)	77			
Form Factor	Block 80 / 68 / 68			
Terminal type	XT-60F + XH2.54-5pin			
Terminal material	Wire AWG 12 - 3.3 mm ²			
Battery Dimension (mm)	Width	80		
	Height	68	Pack only	
	Thick	68		
Battery Volume (dm ³ - L)	0.37			
Nominal Weight (kg)	0.67	Average value		
Energy Density	Gravity (Wh/kg)	115		
	Volume (Wh/L)	208		
Internal Resistance mOhm (Max)	40			
Voltage	Minimal (V)	10		
	Maximal (V)	14.6		
Current	Charge	Standard (A)	1.8	
		Max. Cont. (A)	3	
	Discharge	Standard (A)	3	
		Max. Cont. (A)	6	Continued, temp ≤ 50 °C
		Peak (A)	12	≤ 30 sec, temp ≤ 50 °C
Cycle Life at 80% DOD	2000	@0.3C/0.3C, @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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