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Technical specification

ELERIX EX-L12V30

Multipurpose LFP Pack

12V LiFePO4 Pack
Lithium Iron Pack

135 / 167 / 80

12.8V / 30Ah / 1C

EX-L12V30



- ▶ 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-L12V30

12V LiFePO4 Pack, Lithium Iron Pack



ELECTRICAL CHARACTERISTICS

Items	Specification	Remarks	
Product code	EX-L12V30		
Nominal Voltage (V)	12.8		
Nominal Capacity (Ah)	30	Charge @0.5C Discharge @0.5C	
Nominal Energy (Wh)	384		
Form Factor	Block 135 / 167 / 80		
Terminal type	XT-60F + XH2.54-5pin		
Terminal material	Wire AWG 12 – 3.3 mm ²		
Cell Dimension (mm)	Width	135	
	Height	167	
	Thick	80	
Cell Volume (dm ³ - L)	1.80		
Nominal Weigth (kg)	3.20	Average value	
Energy Density	Gravity (Wh/kg)	120	
	Volume (Wh/L)	213	
Internal Resistance mOhm (Max)	16		
Voltage	Minimal (V)	10	
	Maximal (V)	14.6	
Current	Charge	Standard (A)	9
		Max. Cont. (A)	15
	Discharge	Standard (A)	15
		Max. Cont. (A)	30
		Peak (A)	60
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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