



You Power The Life
www.elerix.com

Technical specification

ELERIX EX-L550P

High Energy
Density
Storage LFP
Cell

LiFePo4

Lithium Iron Cell

VDA PLUS 174/204 DUAL

3.2V / 550Ah / 0.5C

EX-L550P



- ▶ High Energy Density Cell - 0.5C - 275A Discharge
- ▶ Lithium Iron Phosphate - LiFePO4 Chemistry
- ▶ Long Cycle and Calendar Life (3000 cycles / 15 years)
- ▶ Only Plus Temperature Range, No-Frost
- ▶ Superior quality and safety. No toxic chemicals
- ▶ DUAL Cell - Large size M10 terminals

ELERIX EX-L550P

LiFePO₄, Lithium Iron Cell
3.2V / 550Ah / 0.5C



ELECTRICAL CHARACTERISTICS

Items	Specification	Remarks		
Product code	EX-L550P			
Nominal Voltage (V)	3.2			
Nominal Capacity (Ah)	550	Charge @0.5C Discharge @0.5C		
Nominal Energy (Wh)	1760			
Form Factor				
Terminal type	Block Terminal with M10 Hole			
Terminal material	Alu (-) / Alu (+)			
Cell Dimension (mm)	Width	174		
	Height	204	Without terminals	
	Thick	145		
Cell Volume (dm ³ - L)	5.15			
Nominal Weigth (kg)	11	Average value		
Energy Density	Gravity (Wh/kg)	160		
	Volume (Wh/L)	342		
Internal Resistance mOhm (Max)	0.3			
Voltage	Minimal (V)	2.5		
	Maximal (V)	3.75		
Current	Charge	Standard (A)	165	
		Max. Cont. (A)	275	
	Discharge	Standard (A)	165	
		Max. Cont. (A)	275	Continued, temp ≤ 50°C
		Peak (A)	330	≤ 30 sec, temp ≤ 50°C
Cycle Life at 80% DOD	3000	@0.3C/0.5C, @25°C, >80% SOH		
Operating Lifespan (Calendar Life)	15 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.

Are you interested in more details?
Visit our online presentation.

[PRODUCT WEBPAGE >](#)