



You Power The Life  
[www.elerix.com](http://www.elerix.com)

Technical specification

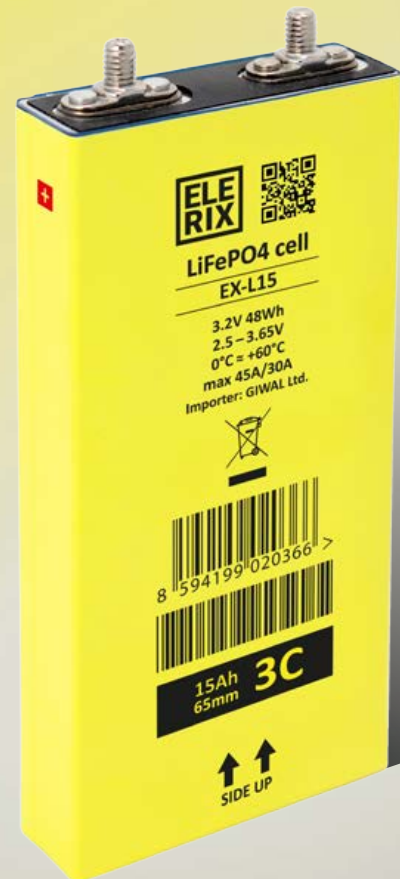
# ELERIX EX-L15

High Energy  
Density Storage  
LFP Cell

LiFePO<sub>4</sub>  
Lithium Iron Cell

**3.2V / 15Ah / 3C**

EX-L15



- ▶ High Energy Density Cell - 3C - 45A Discharge
- ▶ Lithium Iron Phosphate - LiFePO<sub>4</sub> Chemistry
- ▶ Long Cycle and Calendar Life (3000 cycles / 15 years)
- ▶ Only Plus Temperature Range, No-Frost
- ▶ Superior quality and safety. No toxic chemicals

# ELERIX EX-L15

LiFePO<sub>4</sub>, Lithium Iron Cell  
3.2V / 15Ah / 1C



## ELECTRICAL CHARACTERISTICS

| Items                                 | Specification     | Remarks                              |                   |                        |
|---------------------------------------|-------------------|--------------------------------------|-------------------|------------------------|
| Product code                          | EX-L15            |                                      |                   |                        |
| Nominal Voltage (V)                   | 3.2               |                                      |                   |                        |
| Nominal Capacity (Ah)                 | 15                | Charge @0.5C<br>Discharge @0.5C      |                   |                        |
| Nominal Energy (Wh)                   | 48                |                                      |                   |                        |
| Form Factor                           |                   |                                      |                   |                        |
| Terminal type                         | Screw M6 Hole     |                                      |                   |                        |
| Terminal material                     | Alu (-) / Alu (+) |                                      |                   |                        |
| Cell Dimension (mm)                   | Width             | 65                                   |                   |                        |
|                                       | Height            | 138                                  | Without terminals |                        |
|                                       | Thick             | 20                                   |                   |                        |
| Cell Volume (dm <sup>3</sup> - L)     | 0.18              |                                      |                   |                        |
| Nominal Weigth (kg)                   | 0.365             | Average value                        |                   |                        |
| Energy Density                        | Gravity (Wh/kg)   | 132                                  |                   |                        |
|                                       | Volume (Wh/L)     | 268                                  |                   |                        |
| Internal Resistance<br>mOhm (Max)     | 6                 |                                      |                   |                        |
| Voltage                               | Minimal (V)       | 2.5                                  |                   |                        |
|                                       | Maximal (V)       | 3.75                                 |                   |                        |
| Current                               | Charge            | Standard (A)                         | 15                |                        |
|                                       |                   | Max. Cont. (A)                       | 30                |                        |
|                                       | Discharge         | Standard (A)                         | 15                |                        |
|                                       |                   | Max. Cont. (A)                       | 45                | Continued, temp ≤ 50°C |
|                                       |                   | Peak (A)                             | 75                | ≤ 30 sec, temp ≤ 50°C  |
| Cycle Life at 80% DOD                 | 3000              | @0.3C/1C, @25°C, >80% SOH            |                   |                        |
| Operating Lifespan<br>(Calendar Life) | 15 years          | Average material aging<br>estimation |                   |                        |
| Operating Temperature                 | Charge (°C)       | 2 ~ +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 >](#)