



You Power The Life
www.elerix.com

Technical specification

ELERIX EX-L280

High Energy
Density
Storage LFP
Cell

LiFePo4

Lithium Iron Cell

VDA PLUS 174/204

3.2V / 280Ah / 1C

EX-L280



- ▶ High Energy Density Cell - 1C - 280A 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
- ▶ Large size M10 terminals

ELERIX EX-L280

LiFePO₄, Lithium Iron Cell
3.2V / 280Ah / 1C



ELECTRICAL CHARACTERISTICS

| Items | Specification | Remarks | | |
|---------------------------------------|---------------------------------|--------------------------------------|-------------------|------------------------|
| Product code | EX-L280 | | | |
| Nominal Voltage (V) | 3.2 | | | |
| Nominal Capacity (Ah) | 280 | Charge @0.5C Discharge @0.5C | | |
| Nominal Energy (Wh) | 896 | | | |
| Form Factor | | | | |
| Terminal type | Block Terminal with M10 Hole | | | |
| Terminal material | Alu (-) / Alu (+) | | | |
| Cell Dimension (mm) | Width | 174 | | |
| | Height | 204 | Without terminals | |
| | Thick | 72 | | |
| Cell Volume (dm ³ - L) | 2.56 | | | |
| Nominal Weigth (kg) | 5.34 | Average value | | |
| Energy Density | Gravity (Wh/kg) | 168 | | |
| | Volume (Wh/L) | 351 | | |
| Internal Resistance mOhm (Max) | 0.3 | | | |
| Voltage | Minimal (V) | 2.5 | | |
| | Maximal (V) | 3.75 | | |
| Current | Charge | Standard (A) | 140 | |
| | | Max. Cont. (A) | 280 | |
| | Discharge | Standard (A) | 140 | |
| | | Max. Cont. (A) | 280 | Continued, temp ≤ 50°C |
| | | Peak (A) | 420 | ≤ 30 sec, temp ≤ 50°C |
| Cycle Life at 80% DOD | 3000 | @0.3C/1C, @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 >](#)