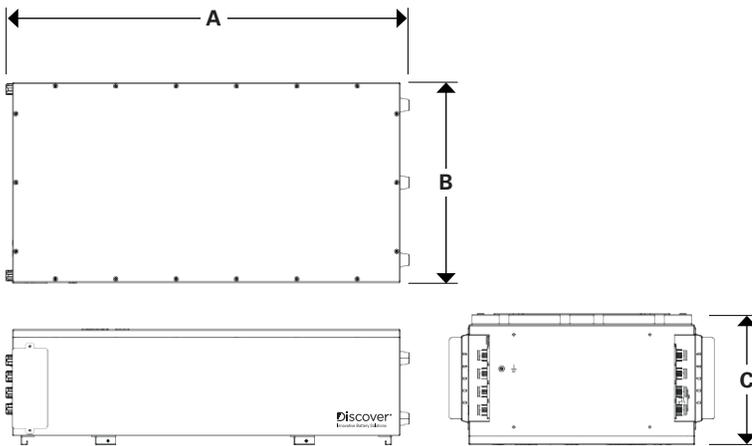


## Scalable Energy Storage for RVs, Industrial & Mobile Equipment

Discover Lithium MOBILE is a durable 16 kWh LiFePO<sub>4</sub> battery system built for motive OEM applications. Featuring a 4th-generation BMS and backed by 75+ years of battery expertise, it delivers safe, reliable power for RVs, trailers, mobile equipment, and off-road platforms. Compact, high-performing, and easy to integrate, Nomad is the ideal solution for power on the move.

### MECHANICAL DRAWINGS



### MECHANICAL SPECIFICATIONS

|               |                                      |
|---------------|--------------------------------------|
| Length (A)    | 900 mm (35.43 in)                    |
| Width (B)     | 465 mm (18.31 in)                    |
| Height (C)    | 247 mm (9.72 in)                     |
| Terminal      | Quick Connect Plug and Pull Terminal |
| Weight        | 136 kg (299.83 lb)                   |
| IP Rating     | IP65                                 |
| Case Material | Galvanized Steel Sheet               |

### REGULATORY

|                |   |
|----------------|---|
| Certifications | UN38.3, UL 1973, UL 9540A, UL 9540 DC ESS 3rd Edition (Pending) |
|----------------|---|

### OTHER

|                        |                            |
|------------------------|----------------------------|
| Country of Manufacture | People's Republic of China |
|------------------------|----------------------------|

<sup>(1)</sup> Leaving the battery at 0% SOC will lead to irreversible damage and void the warranty. Immediately recharge the battery after discharging to 0%.

### FEATURES

#### POWERFUL PERFORMANCE

- 10 kW continuous, up to 19 kW peak power (10 sec), with 46.5 MWh lifetime energy throughput.
- 4th generation BMS for enhanced reliability, efficiency, and safety.

#### ALL-CLIMATE DESIGN

- IP65-rated, weather-resistant enclosure for reliable outdoor performance, with an operating temperature between -25°C (-13°F) to 55°C (131°F).
- Built-in self-heating system operates automatically from -25°C (-13°F) to 8°C (46.4°F), ensuring reliable performance and faster warm-up in cold environments.

#### ADVANCED SAFETY

- Dual fire arrestors and emergency stop for Rapid Shutdown (RSD) integration.
- Comprehensive overvoltage, over current, and thermal protection.

#### SEAMLESS INTEGRATION

- Direct communication with Victron.
- Supports RVC communications and CAN with the LYNK II Gateway.

#### SCALABLE & FLEXIBLE

- Expandable up to 48 kWh with battery to battery parallel installations.
- Up to 36 modules (579.6kWh) in parallel with Closed-loop communication.

### ELECTRICAL SPECIFICATIONS

|   |  |
|---|--|
| Nominal Voltage                                   | 51.2 V   |
| Energy  | 16,080 Wh  |
| Nominal Capacity                                  | 314 Ah   |
| Useable Capacity                                  | 16,080 Wh  |
| Depth of Discharge                                | 100% <sup>(1)</sup>  |
| Charge Bulk Voltage - Bulk Vdc                    | 55.2 – 56.8 V  |
| Charge Absorption Voltage - U1 MAX                | 55.2 – 56.8 V  |
| Charge Float Voltage - U2                         | 53.6 V   |
| Charge Termination Current                        | 5 A  |
| Max Voltage Disconnect Recommended                | 56.9 V   |
| Max Voltage Disconnect                            | 58.08 V  |
| Low Voltage Disconnect Recommended                | 48 V   |
| Low Voltage Disconnect                            | 43.2 V   |
| Max Continuous Charge Current                     | 200A   |
| Max Continuous Discharge Current                  | 200 A  |
| Max Continuous Discharge Rate                     | 10.24 kW   |
| Peak Discharge Current (15 seconds)               | 300 A RMS  |
| Self Discharge Current (operation)                | ≤ 25 mA  |
| Self Discharge Current (battery OFF)              | ≤ 4 mA   |
| Breaker   | Single-Pole (positive only) 200 A breaker (CVP-RH-P2BD5-D200-LT) |
| Maximum short circuit fault current (IBF / ½ IBF) | 7.16 kA (100 ms) / 3.58 kA (100 ms)                              |
| Arc Flash Incident Energy IEm                     | 0.310 Cal/cm <sup>2</sup>  |
| Arc Flash Incident Energy AFB                     | 239 mm (9.41 in)   |

