

# Lithium Power Pack 24 V/100 Ah

**The lithium-ion battery from Clayton is a true 24 V power pack. It is available with a capacity of 100 Ah and thus replaces much larger and heavier lead batteries of comparable capacity in the smallest space.**

// Integrated battery management system
// Long lifetime
// Compact and lightweight

The battery management system is already fully integrated and protects against overcharging and deep discharge. With a cycle stability of 2,000 cycles, the average service life is up to six times longer compared to conventional batteries.
In addition, lithium-ion batteries can be charged extremely quickly: They tolerate high charging currents. Under ideal conditions, the 100 Ah variant, for example, is fully ready for use again in less than an hour.

LEAB by Micropower Group

# Technical Information

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|---|---|
| **Nominal voltage (battery)** | 24 V* |
| **Rated charging and discharging current** | 50 A |
| **Available Capacity** | 80 Ah |
| **Cell Voltage** | 2.3 V |
| **Cell Voltage, max.** | 4.2 V |
| **Charging Voltage** | 30 V |
| **Charging current, continuous** | 100 A |
| **Communication** | CAN (SAEJ1939) - Single Wire |
| **Cooling** | Controlled fan |
| **Cycle stability (70 % DoD)** | > 5,000 |
| **Cycle stability (80 % DoD)** | > 3,000 |
| **Discharge current, continuous** | 100 A |
| **International Protection (IP class)** | IP20 |
| **Number of inputs** | 3 |
| **Number of outputs** | 2 |
| **Operating temperature** | -40 °C ... +50 °C |
| **Operatingvoltage, min.** | 18.4 V |
| **Dimensions (L x W x H)** | 558 x 192 x 274 mm |
| **Weight** | 26.96 kg |

*In the chosen option

## Technical Information

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|---|---|
| **Parallel connection** | 1 ... 20 |
| **Pulse Discharge Current, max. (10 min)** | 200 A (temperature controlled) |
| **Pulse Discharge Current, max. (10 µs)** | > 1.000 A |
| **Pulse Discharge Current, max. (5 s)** | > 500 A |
| **Self-consumption** | 180 mA |
| **Self-consumption (sleep mode)** | < 2 % |
| **Self-consumption (sleep mode/month)** | < 3 % |

*In the chosen option