

## Product information sheet

Product number: 1061001004

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## Lithium Power Pack 12 V/100 Ah

The lithium-ion battery from Clayton is a true 12 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.

## Technical Information

|  |                              |
|--|------------------------------|
| Nominal voltage (battery)              | 12 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                       | 15 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.                 | 9.2 V                        |
| Dimensions (L x W x H)                 | 302 x 192 x 274 mm           |
| Weight                                 | 14.26 kg                     |

\*In the chosen option

## Technical Information

|  |                                |
|--|--------------------------------|
| Parallel connection                        | 1 ... 20                       |
| Pulse Discharge Current, max. (10 min)     | 200 A (temperature controlled) |
| Pulse Discharge Current, max. (10 $\mu$ s) | > 1.000 A                      |
| Pulse Discharge Current, max. (5 s)        | > 500 A                        |
| Self-consumption                           | 350 mA                         |
| Self-consumption (sleep mode)              | < 2 %                          |
| Self-consumption (sleep mode/month)        | < 3 %                          |

\*In the chosen option