

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 µs)	> 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