12 V Lithium Battery G4, 280 Ah (3,584 Wh)

Compact and lightweight 12 V lithium battery of the 4th generation with a capacity of 280 Ah (3,584 Wh), CAN communication and integrated battery management system for use as a stand-alone battery solution or for capacity expansion through parallel connection (also with an LPS II).

// Integrated battery management system
// Certified according to UN ECE R10
// Can be used as a capacity extension for the LPS II
// Parallel connection of up to 32 batteries
// CAN communication

The 4th generation Lithium Power Pack is a module-based 12 V lithium iron phosphate battery (LiFePO4/LFP) that ensures reliable energy storage. Thanks to its high capacity of 280 Ah, it also fulfils demanding applications. The G4 series has an integrated battery management system (BMS) to protect the cells against deep discharge, overcharging and overheating.

Technical Information

Capacity	280 Ah (3,584 Wh)*
Available Capacity	235 Ah (3,008 Wh)
Cell chemistry	LiFePO4
Charging current, continuous	140 A
Communication	CAN (SAEJ1939)
Cooling	Passive
Cycle stability (80 % DoD)	> 2,800
Discharge current (1 min.)	400 A
Discharge current, continuous	200 A
I/O connector type	Type A
I/O connector type (Terminal)	M4
I/O input voltage	0 V ... 60 V
I/O output current	400 mA (over current protected)
I/O output voltage	0 V ... 12 V
I/O ports	2x I/O, 1x Input
International Protection (IP class)	IP54
Nominal voltage	12 V
Dimensions (L x W x H)	438 x 197 x 243 mm
Weight	27.9 kg

*In the chosen option

Technical Information

Operating voltage range	10.8 V ... 14.4 V
Parallel connection	1 ... 32
Self-consumption	< 45 mA
Self-consumption (sleep mode)	< 25 mA

*In the chosen option