



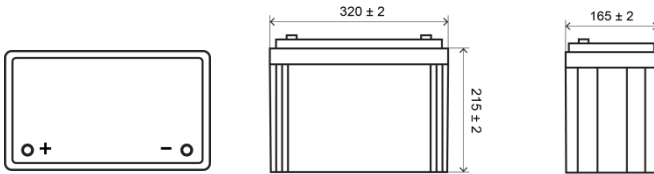
NERBO[®]

LITHIUM

N-LFP 100-12-BL 1280 Wh

LITHIUM DEEP CYCLE BATTERY

COMMUNICATION



MARINE



CARAVAN



LIGHT ELECTRIC VEHICLE



UPS



TELECOM



SOLAR & WIND

Li-FePO₄
TECHNOLOGY

LONG LIFE
LITHIUM BATTERY

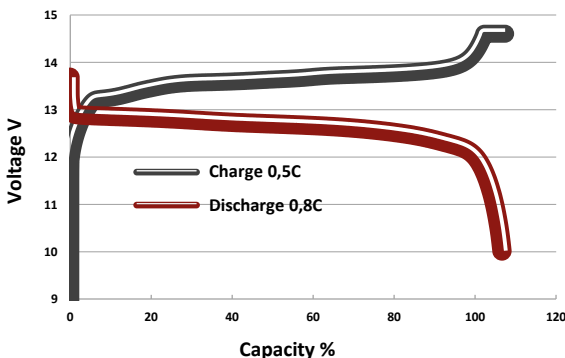
PARAMETERS

NOMINAL VOLTAGE	NOMINAL CAPACITY	NOMINAL ENERGY	WEIGHT	TECHNOLOGY	DESIGNED LIFE	INTERNAL RESISTANCE	TERMINAL TYPE
12,8 V	100Ah	1280 Wh	12,3 kg	LiFePO ₄ with BMS (electronic management system)	2000 cycles with DOD 100%, 3000 cycles with DOD 80%	≤ 20 mΩ	M8 internal thread (tightening torque 10 ÷ 12 Nm)
MAXIMUM CONTINUOUS DISCHARGE CURRENT	MAXIMUM PULSE DISCHARGE CURRENT	END-OF-DISCHARGE VOLTAGE	CHARGING CURRENT	MAXIMUM CHARGING CURRENT	CHARGING VOLTAGE	CHARGING VOLTAGE FOR STAND-BY OPERATION	SELF DISCHARGE
100 A	300 A (3 sek.)	9.6 V	≤ 50A	80 A (25°C)	14,6 V	13,8 V	average 3% capacity per month (25°C)

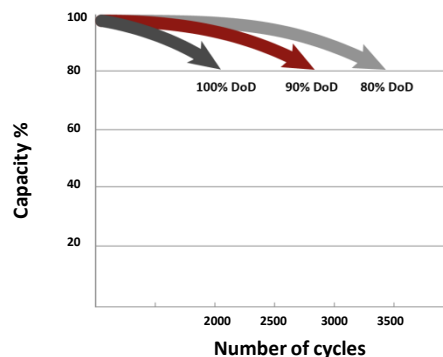
DIMENSIONS			OPERATING TEMPERATURE RANGE		
LENGTH	WIDTH	HEIGHT	DISCHARGE	CHARGE	STORAGE
320 mm	165 mm	215 mm	-20°C ~ +60°C	0°C ~ +45°C	-20°C ~ +35°C

CHARACTERISTICS

Charging / Discharging at 25°C



Cyclic life as a function of Depth-Of-Discharge (DoD):



The battery has a built-in communication module that connects to an external application. The application shows, among others, SOC battery charge status, V voltage, Ah capacity and other operating parameters.

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