

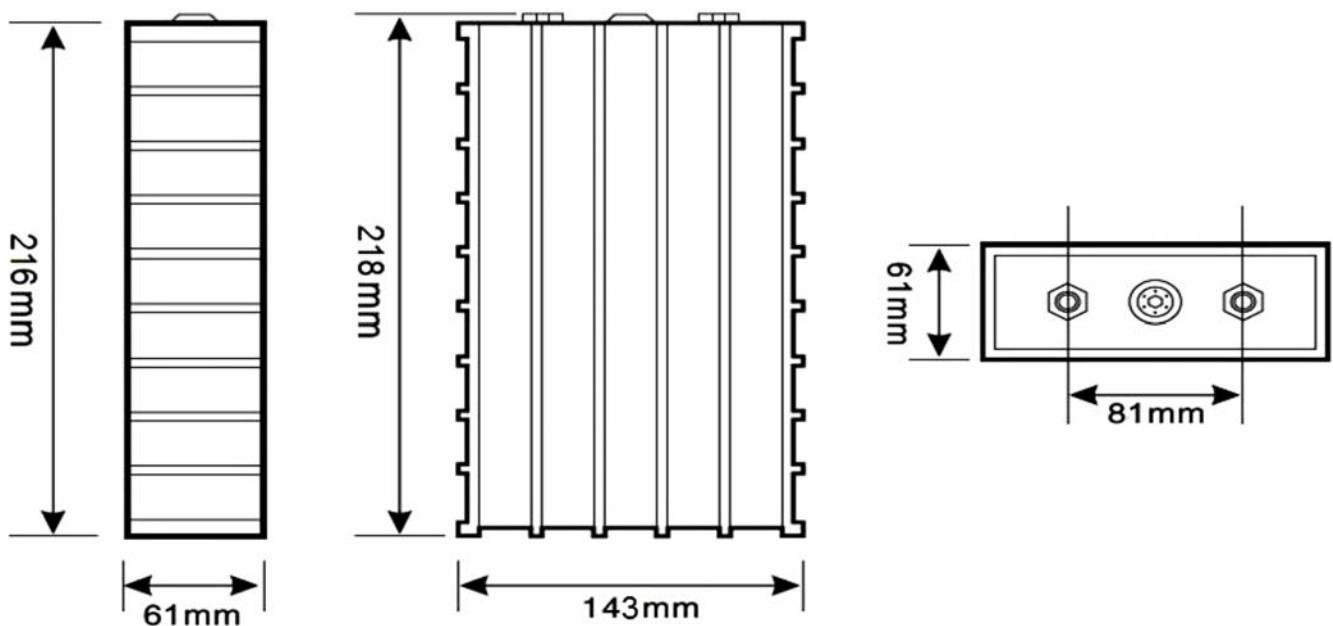
Technical specification

Winston LFP090AHA cell



Winston LFP090AHA cell

Specifications		
Model name	LFP090AHA	Alternative product marking TS-LFP90AHA, WB-LYP90AHA
Nominal voltage	3.2 V	Operating voltage under load is 3.0 V
Capacity	90 AH	+/- 5%
Operating voltage	max 4.0V - min 2.8V	At 80% DOD
Deep discharge voltage	2.5 V	The cells is damaged if voltage drops bellow this level
Maximal charge voltage	4 V	The cells is damaged if voltage exceeds this level
Optimal discharge current	< 45 A	0.5 C
Maximal discharge current	< 270 A	3 C, continuous for max 15 minutes from full charge
Max peak discharge current	< 900 A	10 C, maximal 5 seconds in 1 minute
Optimal charge current	< 45 A	0.5 C
Maximal charge current	< 270 A	< 3 C with battery temperature monitoring
Maximal continuous operating temperature	80 °C	The battery temperature should not increase this level during charge and discharge
Dimensions	143 x 218 x 61	Millimeters (tolerance +/- 2 mm)
Weight	3 kg	Kilograms (tolerance +/- 150g)
Model name	LFP090AHA	Alternative product marking TS-LFP90AHA, WB-LYP90AHA



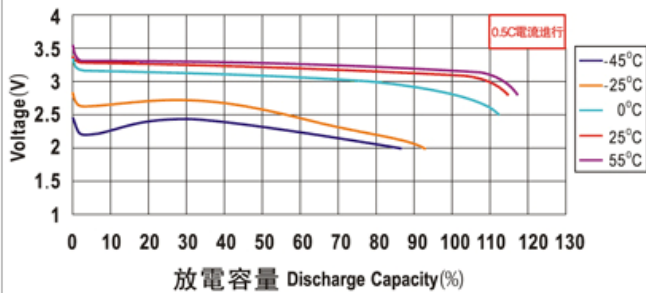


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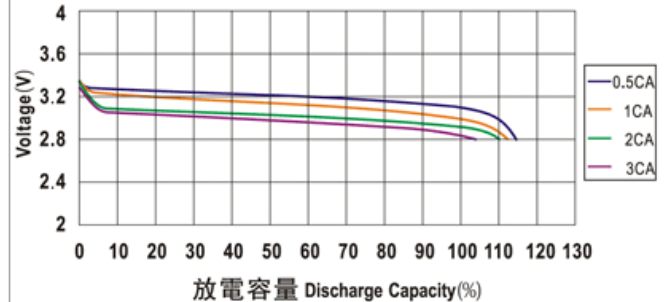
不同環境溫度下LYP類電池的放電特性曲線

Discharge characteristic curve of LYP type battery under different ambient temperature



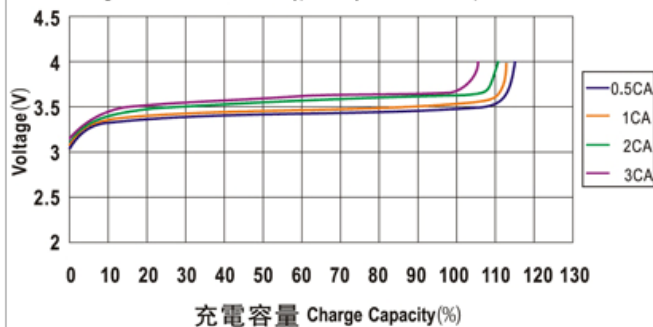
常溫下LYP類電池的放電特性曲線

Discharge characteristic curve of LYP type battery under normal temperature



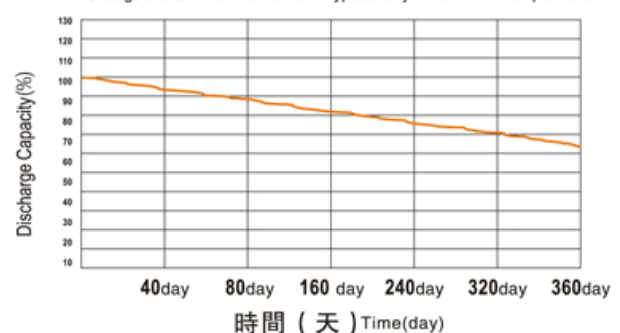
常溫下LYP類電池的充電特性曲線

Charge characteristic curve of LYP type battery under normal temperature



在常溫下LYP類電池的存儲特性曲線

Storage characteristic curve of LYP type battery under normal temperature



PRODUCT WEBPAGE



GWL Power a.s.
Průmyslová 11, 102 19 Prague 10
Czech Republic, European Union

www.ev-power.eu