



**GWL  
POWER**

[www.ev-power.eu](http://www.ev-power.eu)  
*Your complete power solutions.*

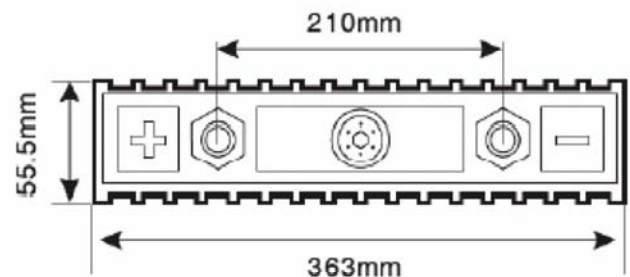
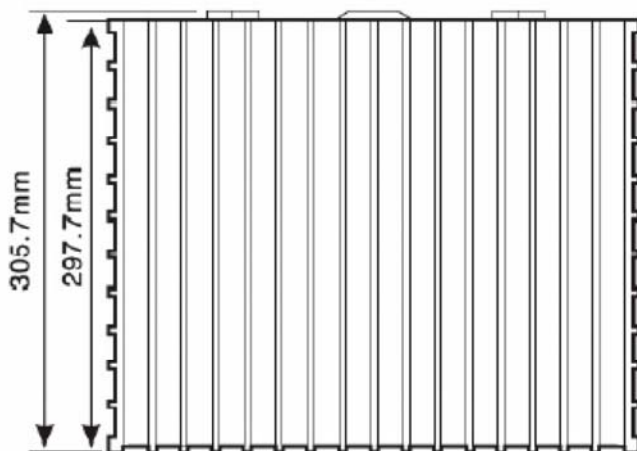
Technical specification

# Winston LFP300AHA cell



## Winston LFP300AHA cell

Specifications		
Model name	LFP300AHA	Alternative product marking TS-LFP300AHA, TS-LYP300AHA
Nominal voltage	3.2 V	Operating voltage under load is 3.0 V
Capacity	300 Ah	+/- 5%
Operating voltage	max 3.8V - 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	< 150 A	0.5 C
Maximal discharge current	< 900 A	3 C, continuous for max 15 minutes from full charge
Max peak discharge current	< 3000 A	10 C, maximal 5 seconds in 1 minute
Optimal charge current	< 150 A	0.5 C
Maximal charge current	< 900 A	< 3 C with battery temperature monitoring
Maximal continuous operating temperature	65 °C	The battery temperature should not increase this level during charge and discharge
Dimensions	363 x 306 x 55,5	Millimeters (tolerance +/- 2 mm)
Weight	9,7 kg	Kilograms (tolerance +/- 150g)
Model name	LFP300AHA	Alternative product marking TS-LFP300AHA, TS-LYP300AHA



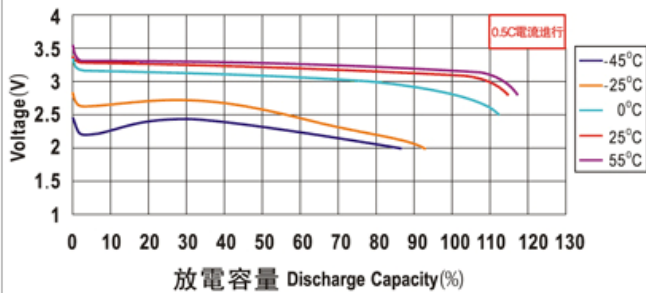


**GWL  
POWER**

**www.ev-power.eu**  
*Your complete power solutions.*

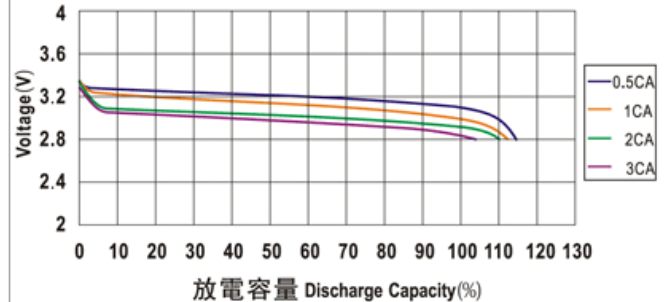
不同環境溫度下LYP類電池的放電特性曲線

Discharge characteristic curve of LYP type battery under different ambient temperature



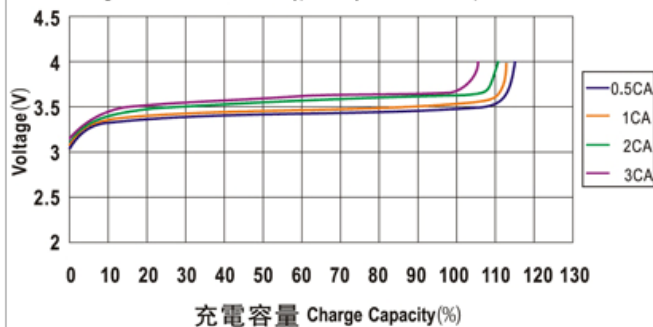
常溫下LYP類電池的放電特性曲線

Discharge characteristic curve of LYP type battery under normal temperature



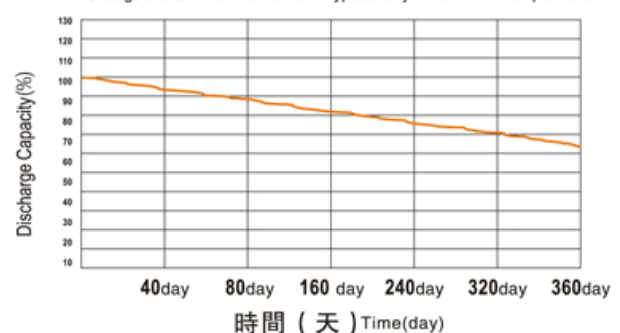
常溫下LYP類電池的充電特性曲線

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**