

GWL/ Power Group Technology Solutions – Stay Powered for the Future

SP-LFP100AHA cell specification



Model name	SP-LFP100AHA	
Nominal voltage	3.2 V	Operating voltage under load is 3.0 V
Capacity	100 AH	+/- 5%
Internal impenetrableness	<2 mOhm	
Operating voltage	min 2.8V - max 3,7 V	At 80% DOD
Discharging cut-off voltage	2.8 V	The cells is damaged if voltage drops below this level
Charging cut-off voltage	3.8 V	The cells is damaged if voltage exceeds this level
Recommended charging - discharging Current	30 A	0.3 C
Maximum short-time discharging current	500 A	5 C period=10s
Life cycles	2000	0.3C, 80% DDC
Operating thermal ambient - charging	0°C ~ 70°C	The battery temperature should not increase this level
Operating thermal ambient - discharging	-20°C ~ 65°C	The battery temperature should not increase this level
Storage thermal Ambient	-20°C ~ 45°C	The battery temperature should not increase this level
Shell Material	Plastic	flame retardants
Dimensions	142 x 61,5 x 220 mm	Millimeters (tolerance +/- 1 mm)
Weight	3,2 kg	Kilograms (tolerance +/- 150g)

