

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

SP-LFP300AHA cell specification



Model name	SP-LFP300AHA	
Nominal voltage	3.2 V	Operating voltage under load is 3.0 V
Capacity	300 AH	+/- 5%
Internal impenetrableness	$\leq 0.4\text{m}\Omega$	AC1kHz
Operating voltage	min 2.8V - max 3,65 V	At 80% DOD
Discharging cut-off voltage	2.65 V	The cells is damaged if voltage drops below this level
Charging cut-off voltage	3.7 V	The cells is damaged if voltage exceeds this level
Recommended charging - discharging Current	99 A	0.3 C
Maximum charging current	600 A	2 C
Maximum discharging current	900 A	3 C
Life cycles	≥ 2000 Times	0.3C, 80% DOD
Operating thermal ambient - charging	0°C ~ 45°C	The battery temperature should not increase this level
Operating thermal ambient - discharging	-20°C ~ 55°C	The battery temperature should not increase this level
Storage thermal Ambient	-10°C ~ 45°C	The battery temperature should not increase this level
Shell Material	Plastic	flame retardants
Dimensions	308 x 360 x 53 mm	Millimeters (tolerance +/- 1 mm)
Weight	9,5kg	Kilograms (tolerance +/- 150g)

