

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

SE40AHA cell specification



Model name	SE40AHA	Alternative product marking CSE40AH
Nominal voltage	3,2 V	Operating voltage under load is 3,0 V
Capacity	40 AH	+/- 5%
Internal impenetrableness	<1 mOhm	1kHz AC
Operating voltage	min 2.6V - max 3,6 V	At 80% DOD
Discharging cut-off voltage	2.5 V	The cells is damaged if voltage drops below this level
Charging cut-off voltage	3,65 V	The cells is damaged if voltage exceeds this level
Recommended charging - discharging Current	12 A	0,3C
Maximum short-time discharging current	400 A	10C period = 10s
Life cycles	2000	0,3C 80% DDC
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	-20°C ~ 45°C	The battery temperature should not increase this level
Shell Material	Plastic	flame retardants
Dimensions	115 x 46 x 181 mm	Millimeters (tolerance +/- 1 mm)
Weight	1,4 kg	Kilograms (tolerance +/- 100 g)

