

CA40AHA cell specification



Model name	CA40AHA	Alternative product marking CA40BFI
Nominal voltage	3.2 V	Operating voltage under load is 3.0 V
Capacity	40 AH	+/- 5%
Internal impenetrableness	<0,9 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	40 A	1 C
Maximum short-time discharging current	80 A	2 C
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	181 x 116 x 46 mm	Millimeters (tolerance +/- 1 mm)
Weight	1,4 kg	Kilograms (tolerance +/- 150g)

