



# **SE and CA series specifications**

**CALB Technology Research Institute**

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Parameters	SE40AHA	CA40FI
Length*Width*Height (with terminals)	116*46*181	116 *46*182
Standard Charging Current	12A	12A
Standard Discharging Current	12A	12A
Maximum Constant Charging Current	40A	40A
Maximum Constant Discharging Current	80A	80A
Max Burst Discharging Current (≤1min)	120A	120A
Charging Temperature Range	0°C ~ 45°C	0°C ~ 45°C
Discharging Temperature Range	-20°C ~ 55°C	-20°C ~ 55°C
Individual Cell Weight	1.5kg	1.5kg
completely interchangeable for each other	yes	
Nominal Capacity (0.3C)	40Ah	40Ah
Energy Density	91.7	93.7
Volume Density	142.5	144.7

Parameters	SE100AHA	CA100FI
Length*Width*Height (with terminals)	142*67*218	142*67*215.5
Standard Charging Current	30A	30A
Standard Discharging Current	30A	30A
Maximum Constant Charging Current	100A	100A
Maximum Constant Discharging Current	200A	200A
Max Burst Discharging Current (≤1min)	300A	300A
Charging Temperature Range	0°C ~ 45°C	0°C ~ 45°C
Discharging Temperature Range	-20°C ~ 55°C	-20°C ~ 55°C
Individual Cell Weight	3.3	3.3
Nominal Capacity (0.3C)	100AH	100AH
Energy Density	103.8	103.8
Volume Density	165.1	167

Parameters	SE180AHA	CA180FI
Length*Width*Height (with terminals)	182*71*279	180*71*277.5
Standard Charging Current	54A	54A
Standard Discharging Current	54A	54A
Maximum Constant Charging Current	180A	180A
Maximum Constant Discharging Current	360A	360A
Max Burst Discharging Current (≤1min)	540A	540A
Charging Temperature Range	0°C ~ 45°C	0°C ~ 45°C
Discharging Temperature Range	-20°C ~ 55°C	-20°C ~ 55°C
Individual Cell Weight	5.7	5.7
completely interchangeable for each other	No	
Nominal Capacity (0.3C)	180Ah	180Ah
Nominal Capacity (0.5C)		
Nominal Capacity (1C)		
Energy Density	107.4	107.4
Volume Density	159.77	172.6