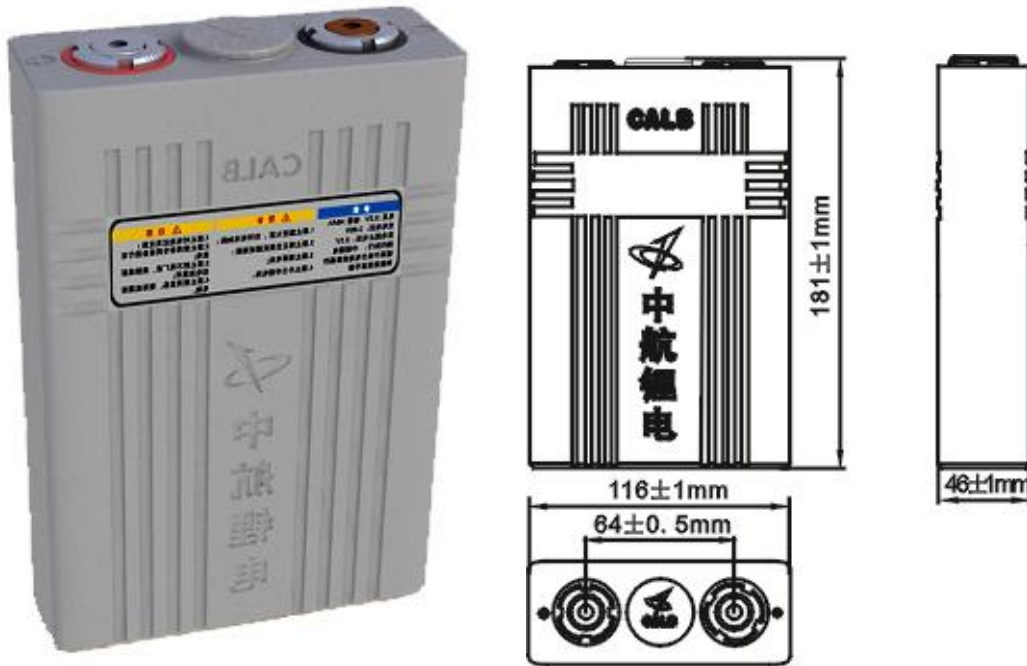




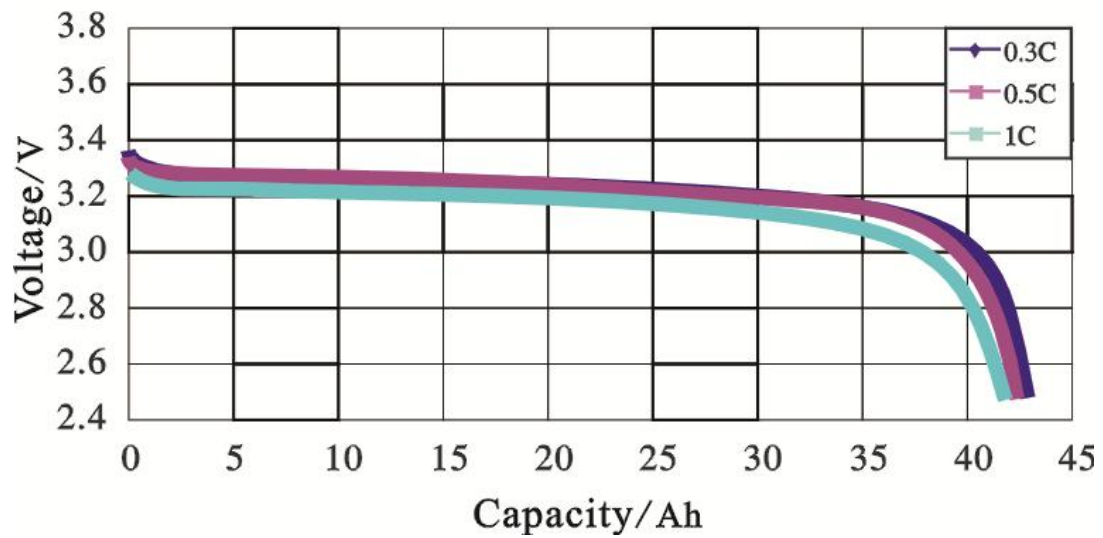
Product Catalogue

CHINA AVIATION LITHIUM BATTERY CO., LTD.
2014.04

1、CA40



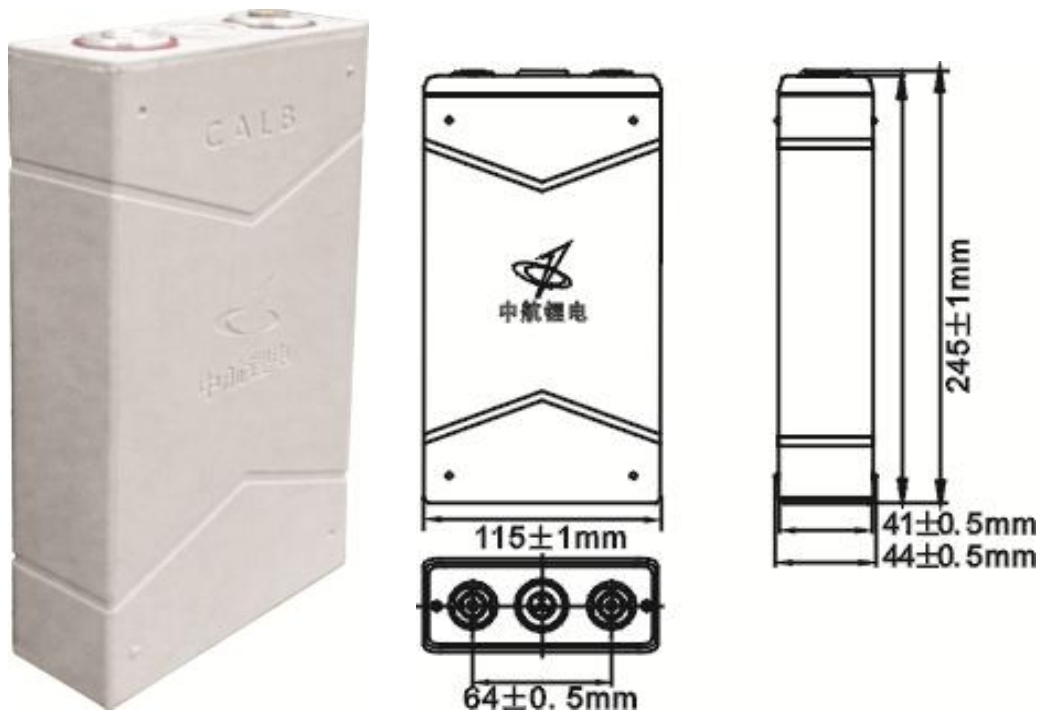
Discharging curve:



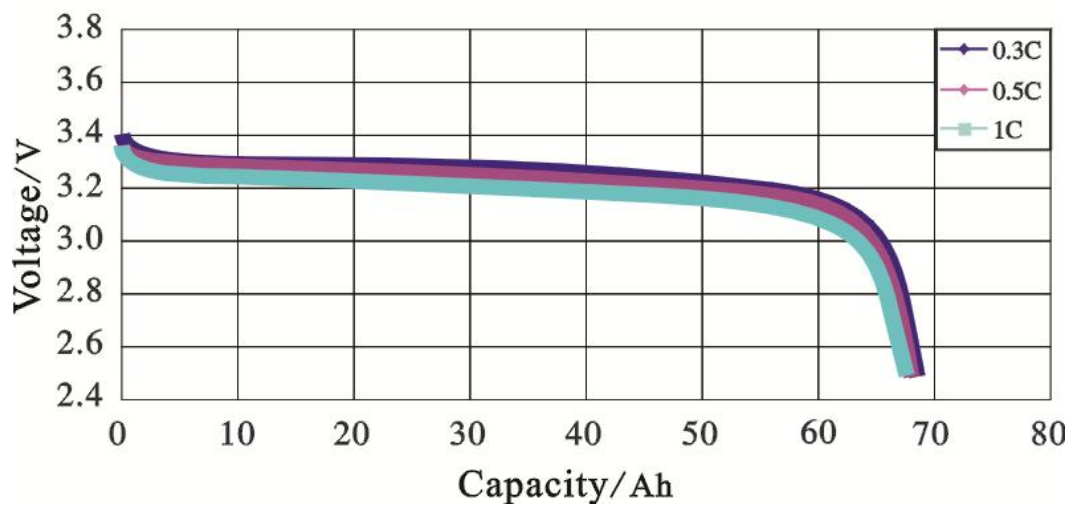
Technical Parameters:

No.	Item		Parameter Specification
1	Nominal Capacity		40Ah@0.3C Discharging
2	Minimum Capacity		40Ah@0.3C Discharging
3	Nominal Voltage		3.2 V
4	Internal Resistance		$\leq 1\text{m}\Omega$
5	Charging(CC-CV)	Maximum Charging Current	1C
		Charging Upper Limit Voltage	3.65V
6	Discharging	Maximum Discharging Current	2C
		Discharging Cut-off Voltage	2.5V
7	Charging Time	Standard Charging	4h
		Quick-acting Charging	1h
8	Recommended SOC Usage Window	SOC : 10%~90%	
9	Operation Thermal Ambient	Charging	0 °C ~ 45 °C
		Discharging	-20 °C ~ 55 °C
10	Storage Thermal Ambient	Short-term (within 1 month)	-20 °C ~ 45 °C
		Long-term (within 1 year)	-20 °C ~ 20 °C
11	Storage Humidity		$< 70\%$
12	Battery Weight		1.4± 0.1kg
13	Shell Material		Plastic

2、CA60F I



Discharging curve:



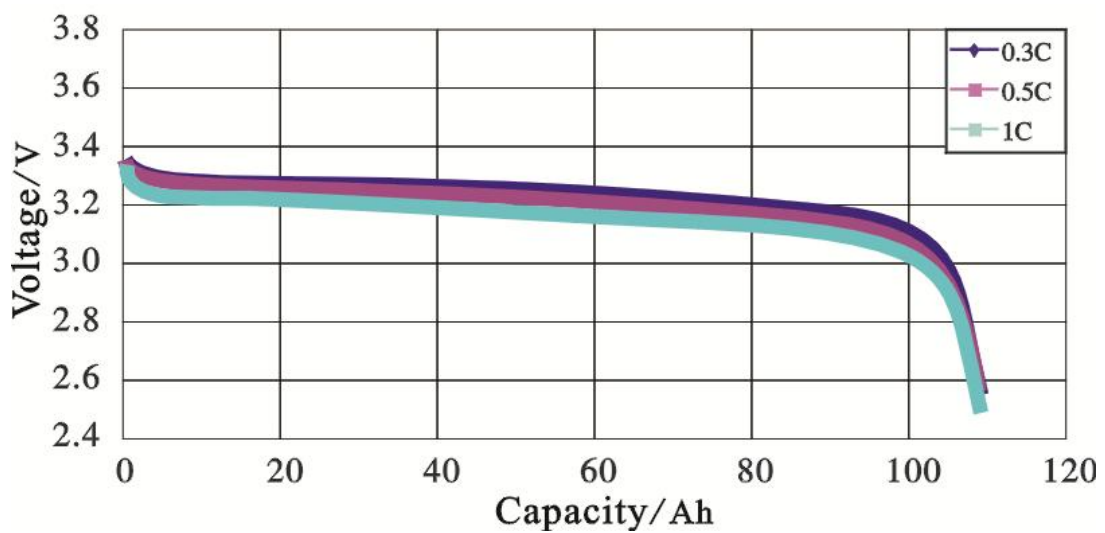
Technical Parameters:

No.	Item		Parameter Specification
1	Nominal Capacity		60Ah@ 0.3C Discharging
2	Minimum Capacity		60Ah@ 0.3C Discharging
3	Nominal Voltage		3.2 V
4	Internal Resistance		≤1mΩ
5	Charging(CC-CV)	Maximum Charging Current	1C
		Charging Upper Limit Voltage	3.65V
6	Discharging	Maximum Discharging Current	2C
		Discharging Cut-off Voltage	2.5V
7	Charging Time	Standard Charging	4h
		Quick-acting Charging	1h
8	Recommended SOC Usage Window	SOC : 10%~90%	
9	Operation Thermal Ambient	Charging	0 °C ~ 45 °C
		Discharging	-20 °C ~ 55 °C
10	Storage Thermal Ambient	Short-term (within 1 month)	-20 °C ~ 45 °C
		Long-term (within 1 year)	-20 °C ~ 20 °C
11	Storage Humidity		<70 %
12	Battery Weight		2± 0.1kg
13	Shell Material		Plastic

3、CA100



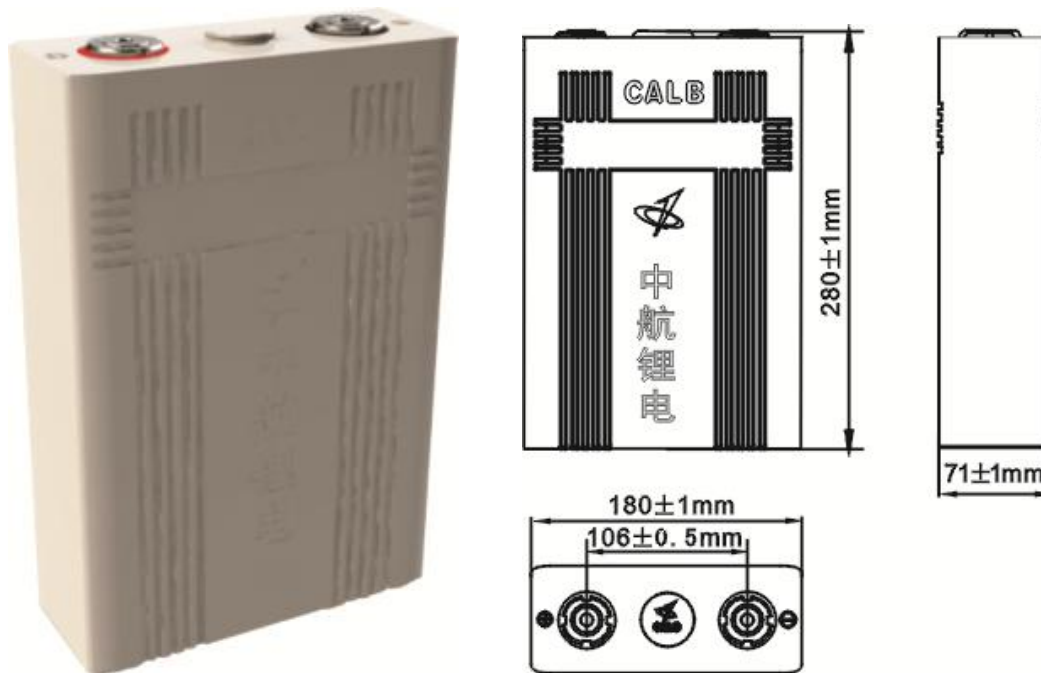
Discharging curve:



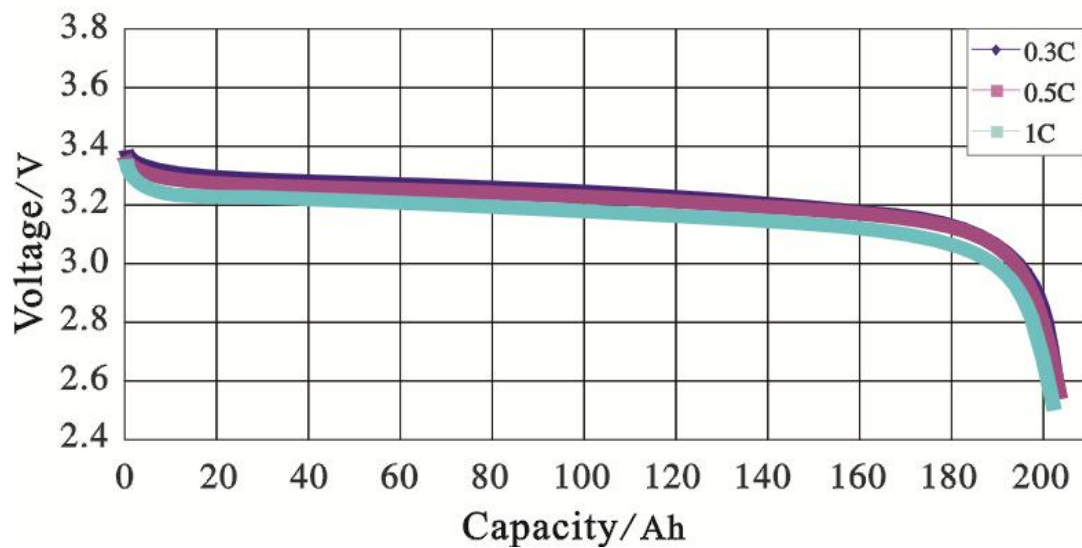
Technical Parameters:

No.	Item		Parameter Specification
1	Nominal Capacity		100Ah@ 0.3C Discharging
2	Minimum Capacity		100Ah@ 0.3C Discharging
3	Nominal Voltage		3.2 V
4	Internal Resistance		≤0.9mΩ
5	Charging(CC-CV)	Maximum Charging Current	1C
		Charging Upper Limit Voltage	3.65V
6	Discharging	Maximum Discharging Current	2C
		Discharging Cut-off Voltage	2.5V
7	Charging Time	Standard Charging	4h
		Quick-acting Charging	1h
8	Recommended SOC Usage Window	SOC : 10%~90%	
9	Operation Thermal Ambient	Charging	0 °C ~ 45 °C
		Discharging	-20 °C ~ 55 °C
10	Storage Thermal Ambient	Short-term (within 1 month)	-20 °C ~ 45 °C
		Long term (within 1 year)	-20 °C ~ 20 °C
11	Storage Humidity		<70%
12	Battery Weight		3.4± 0.1kg
13	Shell Material		Plastic

4、CA180F I



Discharging curve:



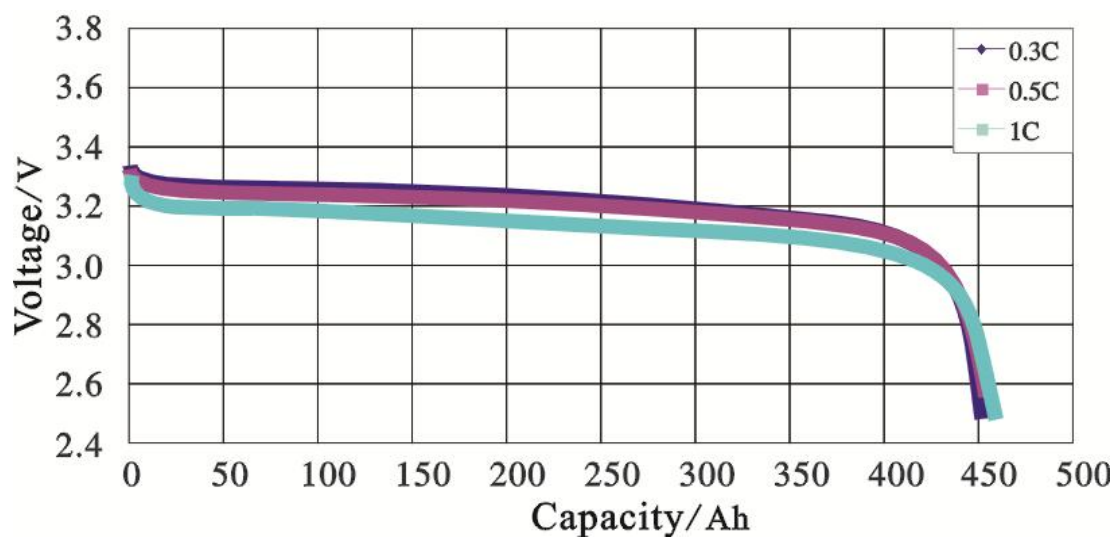
Technical Parameters:

No.	Item		Parameter Specification
1	Nominal Capacity		180Ah@0.3C Discharging
2	Minimum Capacity		180Ah@0.3C Discharging
3	Nominal Voltage		3.2 V
4	Internal Resistance		≤0.6mΩ
5	Charging(CC-CV)	Maximum Charging Current	1C
		Charging Upper Limit Voltage	3.65V
6	Discharging	Maximum Discharging Current	2C
		Discharging Cut-off Voltage	2.5V
7	Charging Time	Standard Charging	4h
		Quick-acting Charging	1h
8	Recommended SOC Usage Window	SOC: 10%~90%	
9	Operation Thermal Ambient	Charging	0°C ~ 45°C
		Discharging	-20°C ~ 55°C
10	Storage Thermal Ambient	Short-term (within 1 month)	-20°C ~ 45°C
		Long-term (within 1 year)	-20°C ~ 20°C
11	Storage Humidity		<70%
12	Battery Weight		5.7± 0.1kg
13	Shell material		Plastic

5、CA400



Discharging curve:



Technical Parameters:

No.	Item		Parameter Specification
1	Nominal Capacity		400Ah@ 0.3C Discharging
2	Minimum Capacity		400Ah@ 0.3C Discharging
3	Nominal Voltage		3.2 V
4	Internal Resistance		$\leq 0.4\text{m}\Omega$
5	Charging(CC-CV)	Maximum Charging Current	1C
		Charging Upper Limit Voltage	3.65V
6	Discharging	Maximum Discharging Current	2C
		Discharging Cut-off Voltage	2.5V
7	Charging Time	Standard Charging	4h
		Quick-acting Charging	1h
8	Recommended SOC Usage Window	SOC : 10%~90%	
9	Operation Thermal Ambient	Charging	0 °C ~ 45 °C
		Discharging	-20 °C ~ 55 °C
10	Storage Thermal Ambient	Short-term (within 1 month)	-20 °C ~ 45 °C
		Long-term (within 1 year)	-20 °C ~ 20 °C
11	Storage Humidity		<70 %
12	Battery Weight		13.6± 0.1kg
13	Shell material		Plastic