



18650-35C Li-ion Battery

CAB 18650-35C offers the high usable energy density combined with a longer cycle life at broad operating temperatures. It is ideal for a wide range of applications including Battery Electric Vehicles (BEVs), Plug in Hybrid Electric Vehicles (PHEV), Light Commercial Vehicles (LCV) and stationary Energy Storage systems.

Li-ion

Rechargeable cell

18650

Cylindrical cell

3400mAh

Capacity

3.60V

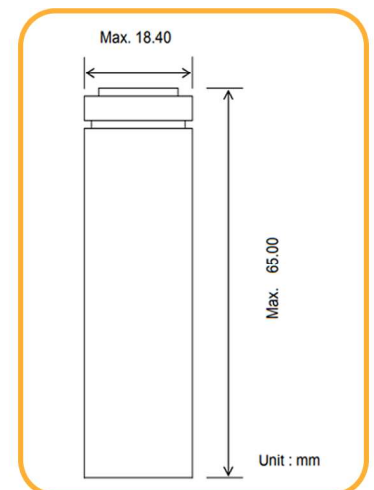
Nominal Voltage

3C

Max discharge current

1C

Max charge current



CELL CHARACTERISTICS

ITEM		SPECIFICATION
CELL CHARACTERISTICS		
Capacity	Normal capacity	3400 mAh by Standard charge and discharge
	Minimum capacity	3300 mAh by Standard charge and discharge
Normal voltage		3.6 V
Charge cut-off voltage		4.20 V
Discharge cut-off voltage		2.50 V
Max charge current		1C (25°C , not for cycle life)
Max discharge current		3C (25°C , not for cycle life)
Storage temperature		1 year: -20~25°C
		3 months: -20~45°C
		1 month: -20~60°C
Humidity range		0~60% RH (non-condensing)
Internal resistance		≤35 mΩ (AC Impedance, 1000Hz)
Weight		≤49g

TECHNICAL CONDITIONS

TECHNICAL CONDITIONS		
	Value	Relative Capacity
Relative capacity in High-Low temperature Discharge performance	25°C	100%
	60°C	≥ 95%
	45°C	≥ 95%
	10°C	≥ 88%
	0°C	≥ 85%
	-10°C	≥ 75%
	-20°C	≥ 70%
Relative capacity in discharge rate	0.2C	100%
	0.5C	≥ 95%
	1C	≥ 95%
	2C	≥ 88%
	3C	≥ 85%
Charge temperature	0 ~ 45°C	
Discharge temperature	-20 ~ 60°C	



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