



## 18650-P35 Li-ion Battery

CAB 18650-P35 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

**3500mAh**

Capacity

**3.60V**

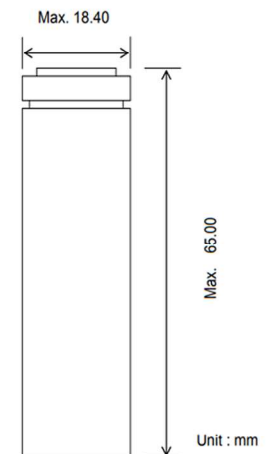
Nominal Voltage

**3C**

Max discharge current

**1C**

Max charge current



## CELL CHARACTERISTICS

ITEM		SPECIFICATION
<b>CELL CHARACTERISTICS</b>		
Capacity	Normal capacity	3500 mAh by Standard charge and discharge
	Minimum capacity	3400 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		
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%
Charge temperature	0 ~ 45°C	
Discharge temperature	-20 ~ 60°C	
Relative capacity in discharge rate	0.2C	100%
	0.5C	≥ 95%
	1C	≥ 95%
	2C	≥ 88%
	3C	≥ 85%



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