



18650-20P Li-ion Battery

CAB 18650-20P offers the high C-rate and suitable energy for high power applications combined with long cycle life. It is ideal for wide range of applications including industrial rechargeable tools, quadcopters, helicams and any high power devices.

Li-ion

Rechargeable cell

18650

Cylindrical cell

2000mAh

Capacity

3.65V

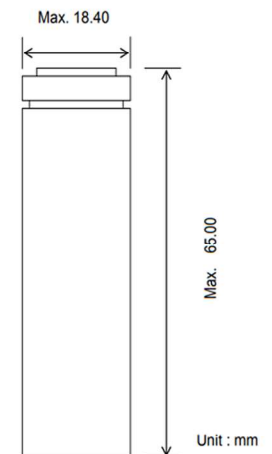
Nominal Voltage

20A

Max continuous current

40A

Max peak current



CELL CHARACTERISTICS

ITEM		SPECIFICATION
CELL CHARACTERISTICS		
Capacity	Normal capacity	2000 mAh by Standard charge and discharge
	Minimum capacity	1920 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
Standard charge		CCCV, 1A up to 4.2V , 100mA cut-off
Rapid charge		CCCV, 4A up to 4.2V , 100mA cut-off
Charging time		Standard charge: 180 min / Rapid charge: 50 min
Max discharge current		10C = 20A (25°C , not for cycle life) , 60% @ 250 cycle
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		≤19 mΩ (AC Impedance, 1000Hz)
Weight		≤45g

TECHNICAL CONDITIONS

TECHNICAL CONDITIONS		
	Value	Relative Capacity
Relative capacity in High-Low temperature Discharge performance	25°C	100%
	60°C	≥ 99%
	45°C	≥ 100%
	10°C	≥ 88%
	0°C	≥ 80%
	-10°C	≥ 75%
	-20°C	≥ 60%
Relative capacity in discharge rate	0.2C	100%
	2C	≥ 99%
	5C	≥ 97%
	8C	≥ 96%
	10C	≥ 95%
Charge temperature	0 ~ 45°C	
Discharge temperature	-20 ~ 70°C	



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