

Tentative

The Panasonic logo, consisting of the word "Panasonic" in white, bold, sans-serif font, set against a blue rectangular background with a gradient effect.

# NCR20700B data sheet

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Automotive & Industrial Systems Company of Panasonic Group  
Portable Rechargeable Battery Business Division, SANYO Electric Co., Ltd.

# Specifications for NCR20700B

Specifications		
Rated capacity <sup>(1)</sup>		4000mAh
Capacity <sup>(2)</sup>	Minimum	4050mAh
	Typical	4250mAh
Nominal voltage		3.6V
Charging	Method	CC-CV
	Voltage	4.20V
	Current	Std. 2000mA
	Time	Std. 180min.
Weight (max.)		63.0g
Temperature	Charge	10 to +45° C
	Discharge	-20 to +60° C
	Storage	-20 to +50° C
Energy density <sup>(3)</sup>	Volumetric	659 Wh/l
	Gravimetric	224 Wh/kg

Dimensions		
With tube	H	Max. 70.3mm
	D	Max. 20.35mm
	d	Max. 10.5mm

<sup>(1)</sup> At 20° C <sup>(2)</sup> At 25° C

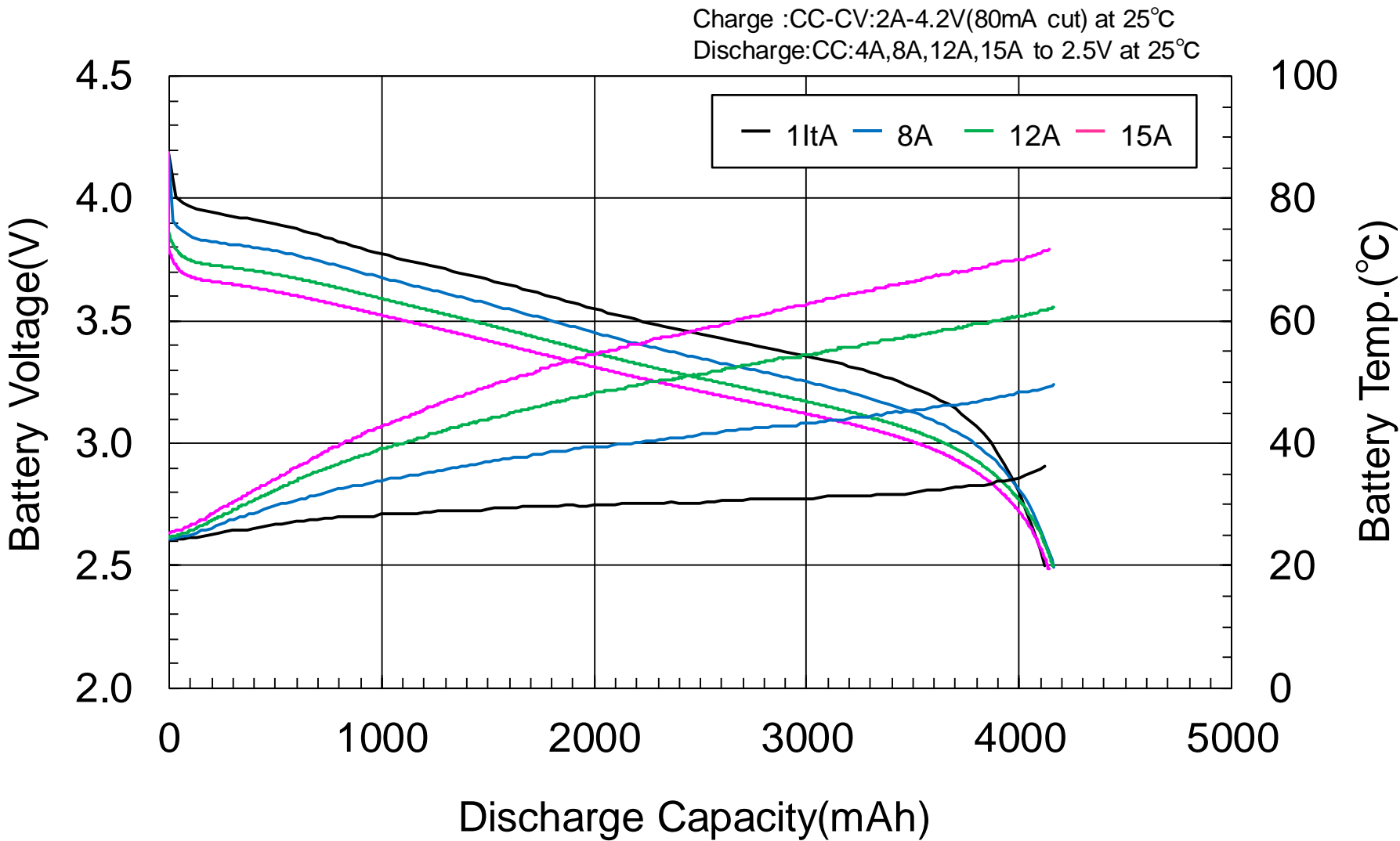
<sup>(3)</sup> Energy density is calculated using bare cell dimensions (without tube).

When designing a pack, refer to the cell's mechanical drawing for precise dimensions.

<Remark> These values are not guaranteed values.



# Discharge rate Characteristics for NCR20700B

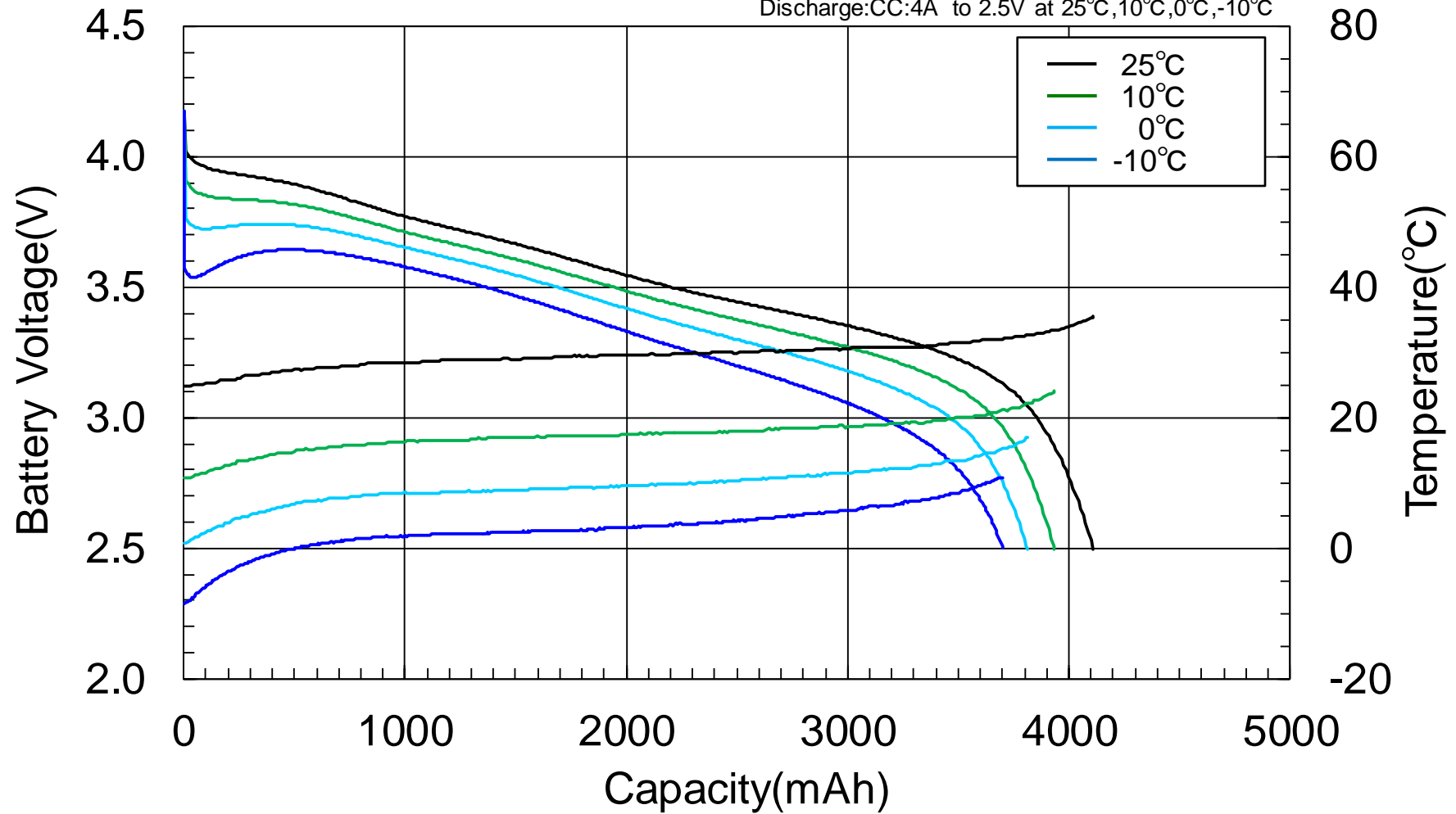


<Remark> These values are not guaranteed values.



[ 4A discharge ]

Charge :CC-CV:2A - 4.2V(80mA cut) at 25°C  
Discharge:CC:4A to 2.5V at 25°C,10°C,0°C,-10°C

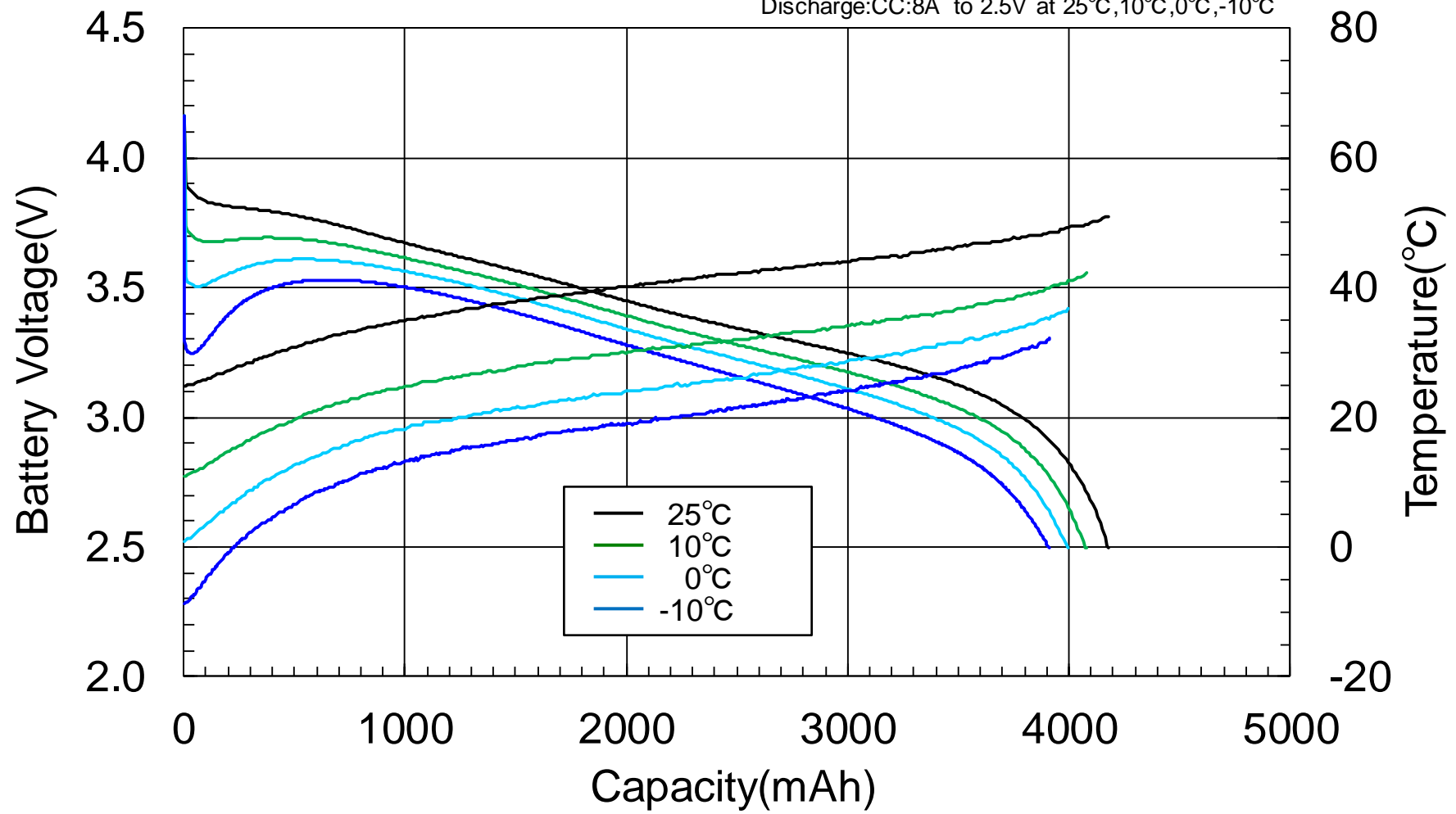


<Remark> These values are not guaranteed values.



[ 20A discharge ]

Charge :CC-CV:2A - 4.2V(80mA cut) at 25°C  
Discharge:CC:8A to 2.5V at 25°C,10°C,0°C,-10°C

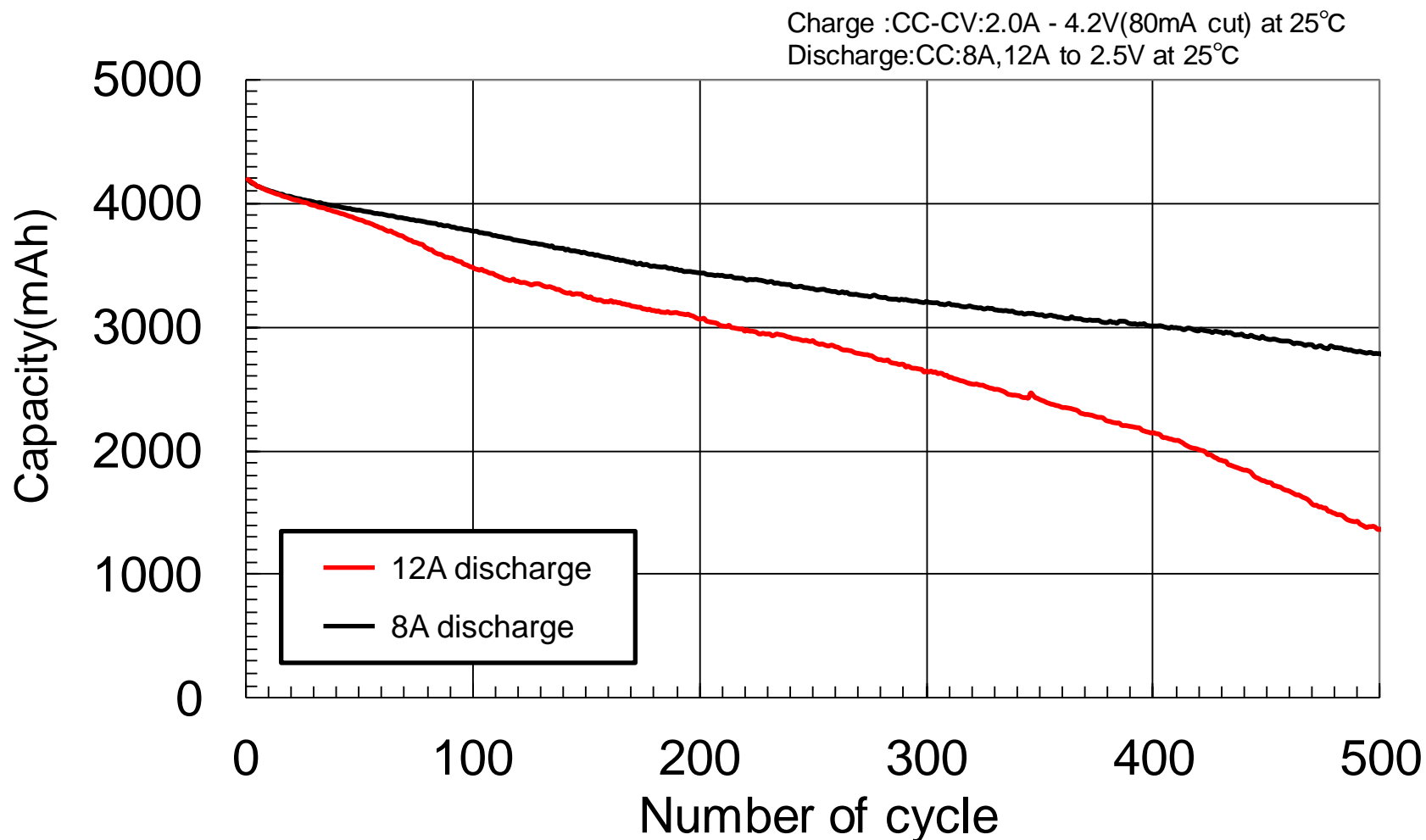


<Remark> These values are not guaranteed values.



# Cycle Characteristics for NCR20700B

< Without Temp. cut cycle performance of single cell >



<Remark> These values are not guaranteed values.

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