

NCR20700A data sheet

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

Specifications for NCR20700A

Specifications		
Rated capacity ⁽¹⁾		3100mAh
Capacity ⁽²⁾	Minimum	3150mAh
	Typical	3300mAh
Nominal voltage		3.6V
Charging	Method	CC-CV
	Voltage	4.20V
	Current	Std. 2200mA
	Time	Std. 180min.
Weight (max.)		60.0g
Temperature	Charge	10 to +45° C
	Discharge	-20 to +60° C
	Storage	-20 to +50° C
Energy density ⁽³⁾	Volumetric	512 Wh/l
	Gravimetric	192 Wh/kg

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

⁽¹⁾ At 20° C ⁽²⁾ At 25° C

⁽³⁾ Energy density is calculated using bare cell dimensions (without tube).

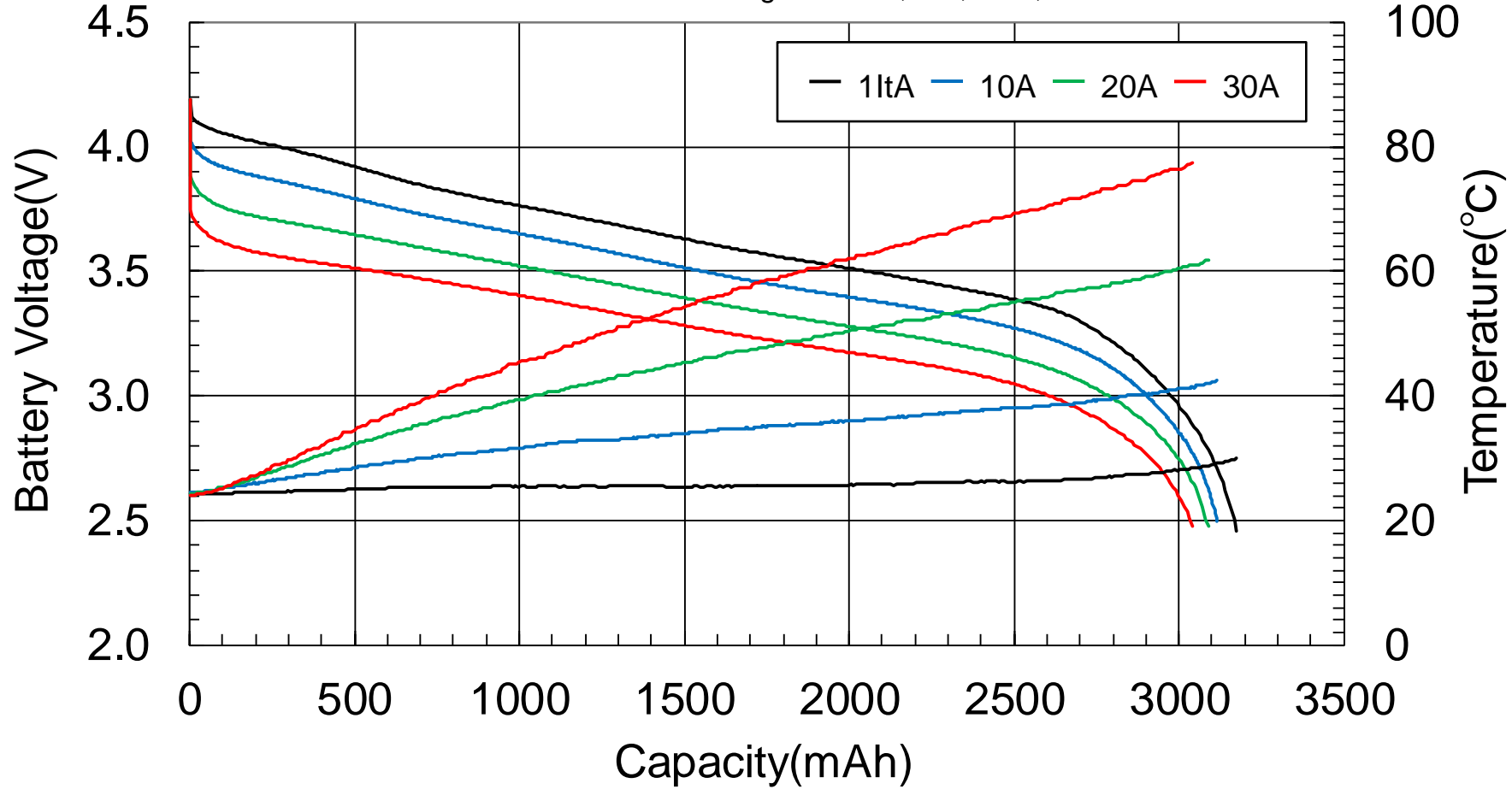
When designing a pack, refer to the cell's mechanical drawing for precise dimensions.

<Remark> These values are not guaranteed values.



Discharge rate Characteristics for NCR20700A

Charge :CC-CV:3A-4.2V(100mA cut) at 25°C
Discharge:CC:1ItA,10A, 20A, 30A to 2.5V at 25°C

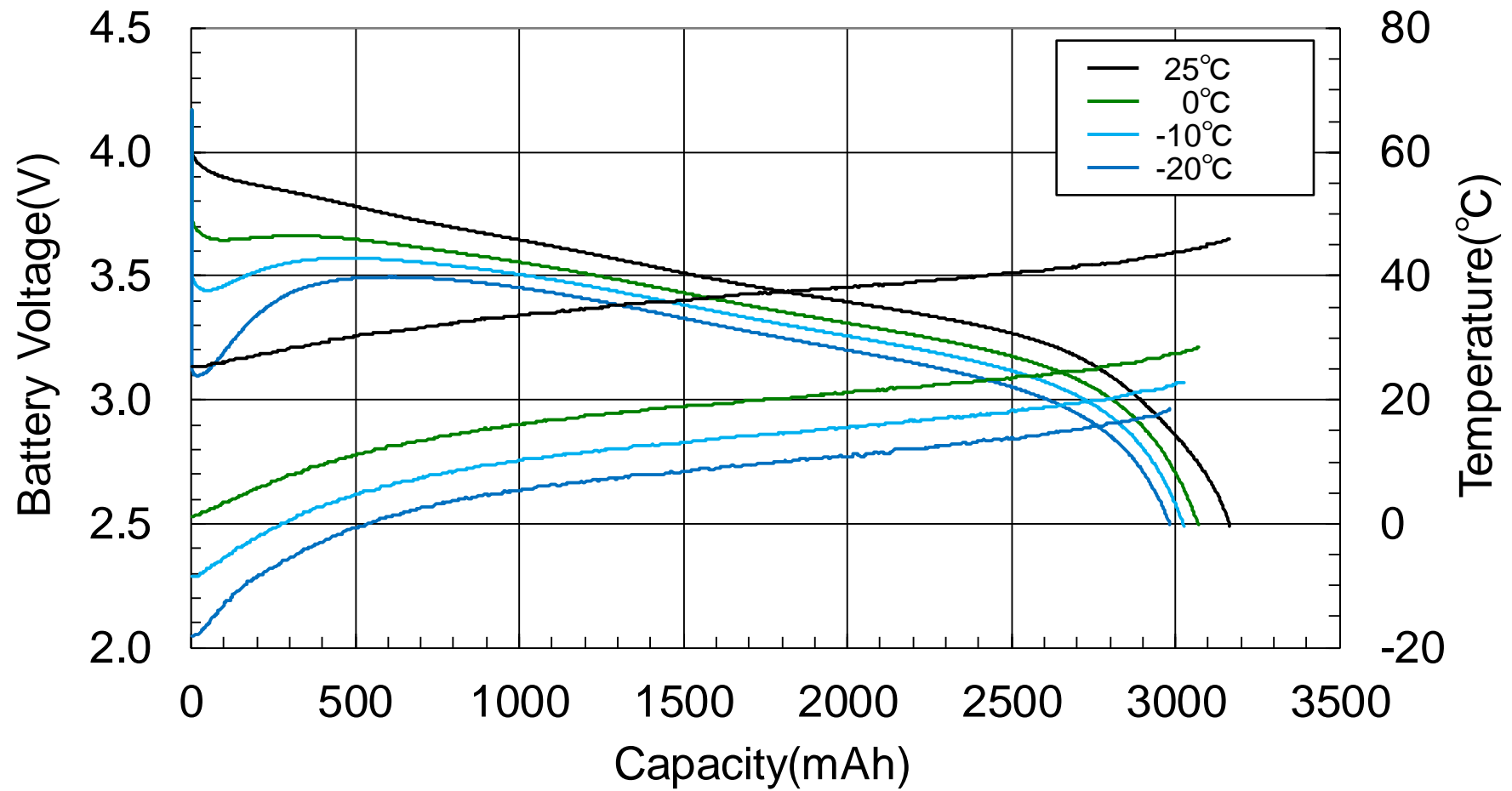


<Remark> These values are not guaranteed values.



[10A discharge]

Charge :CC-CV:3A-4.2V(100mA cut) at 25°C
Discharge:CC:10A to 2.5V at 25°C,0°C,-10°C,-20°C

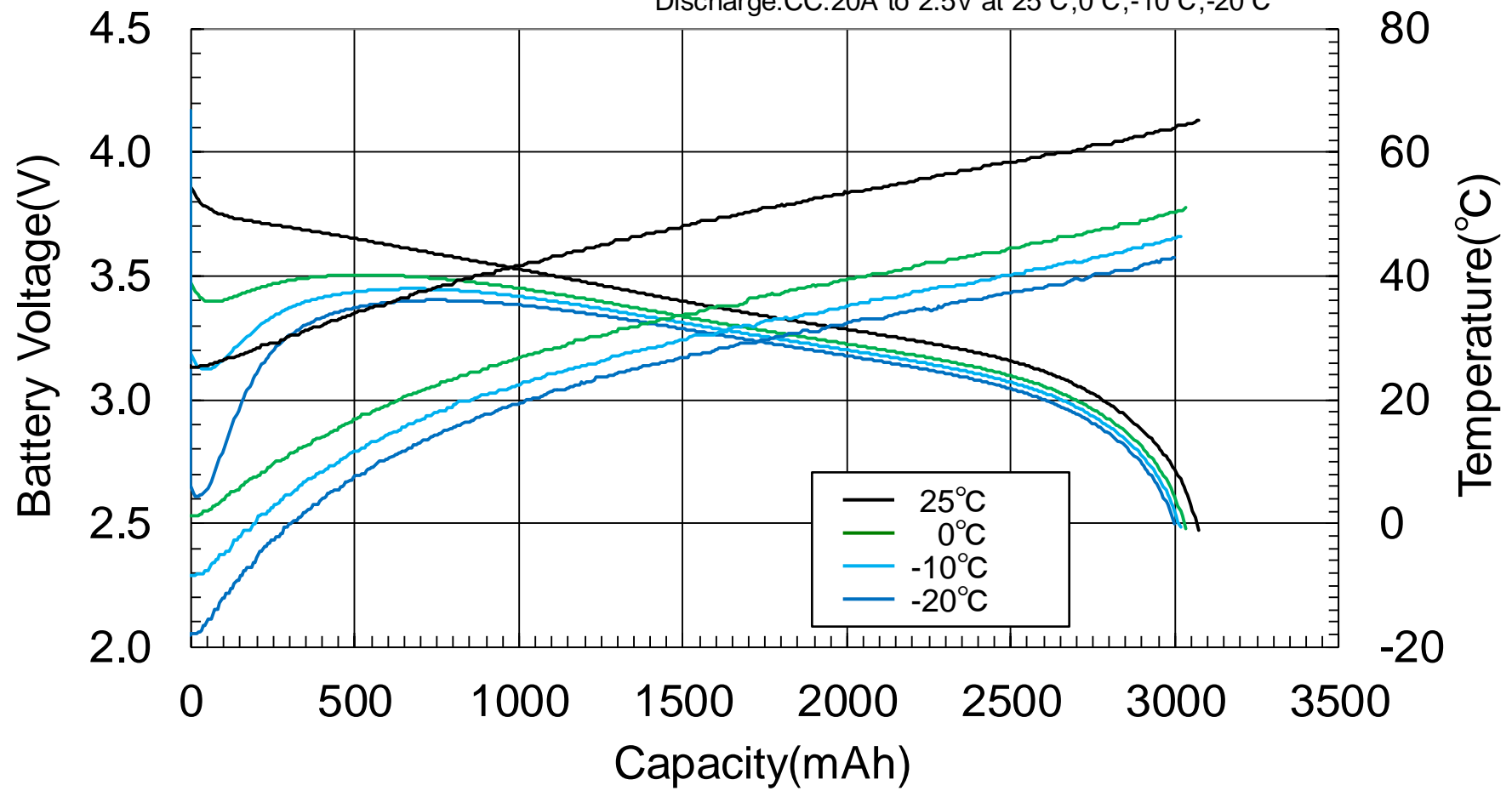


<Remark> These values are not guaranteed values.



[20A discharge]

Charge :CC-CV:3A-4.2V(100mA cut) at 25°C
Discharge:CC:20A to 2.5V at 25°C,0°C,-10°C,-20°C

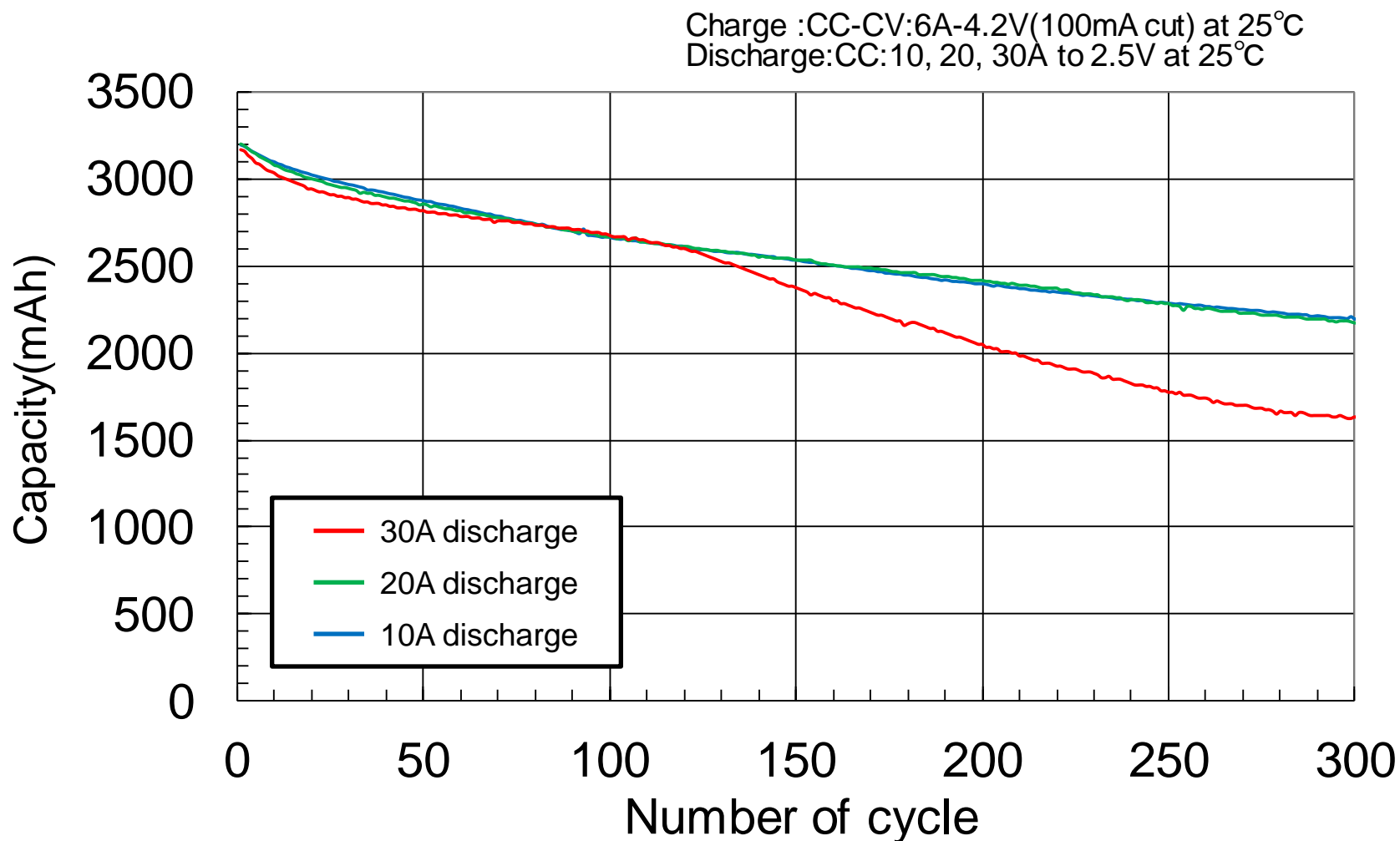


<Remark> These values are not guaranteed values.



Cycle Characteristics for NCR20700A

< Without Temp. cut cycle performance of single cell >



<Remark> These values are not guaranteed values.

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