

# **NCR18650B Standard data**

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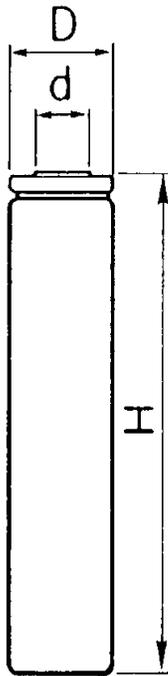
March, 2012

Energy Company of Panasonic Group

Lithium-Ion Battery Business Unit

## High Capacity type

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Dimensions(Typ.) of Bare Cell	H	64.93mm
	D	18.2mm
	d	7.9 mm

Discharged State after Assembling

## Cell Type NCR18650B

### Specification

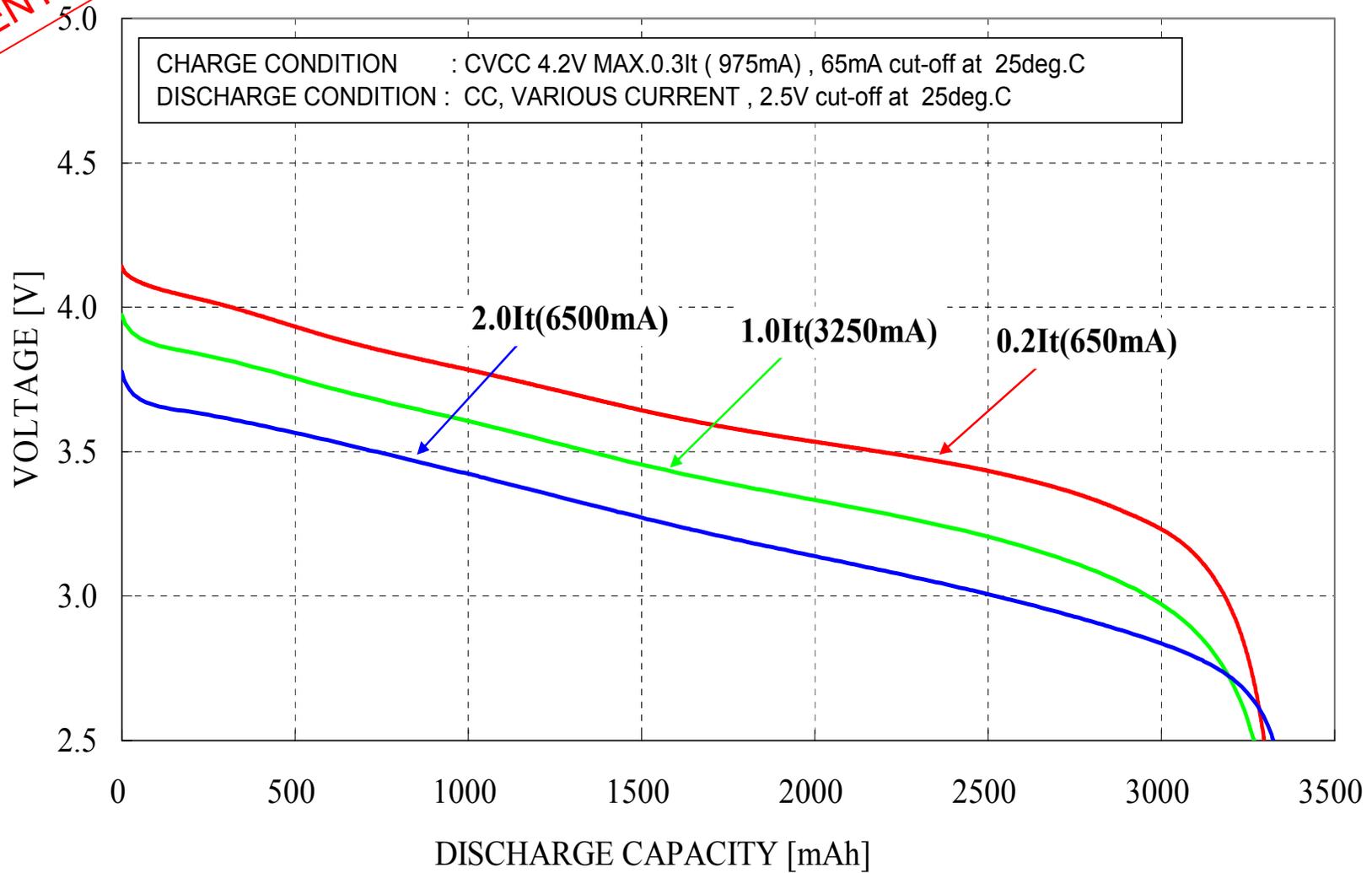
Rated Capacity		*at 20deg.C	Min.3200mAh
Nominal Capacity		*at 25deg.C	Min.3250mAh
			Typ.3400mAh
Nominal Voltage			3.6V
Charging Method			Constant Current -Constant Voltage
Charging Voltage			4.2V
Charging Current			Std.1625mA
Charging Time			4.0hrs.
Ambient Temperature	Charge		10~+45°C
	Discharge		-20~+60°C
	Storage		-20~+50°C
Weight (Max.)			47.5g
Dimensions (Max.)*	(D)		18.25mm *without tube
			18.50mm *with tube
	(H)		65.10mm *without tube
			65.30mm *with tube
Volumetric Energy Density			676Wh/l
Gravimetric Energy Density			243Wh/kg

\*Maximum size without tube

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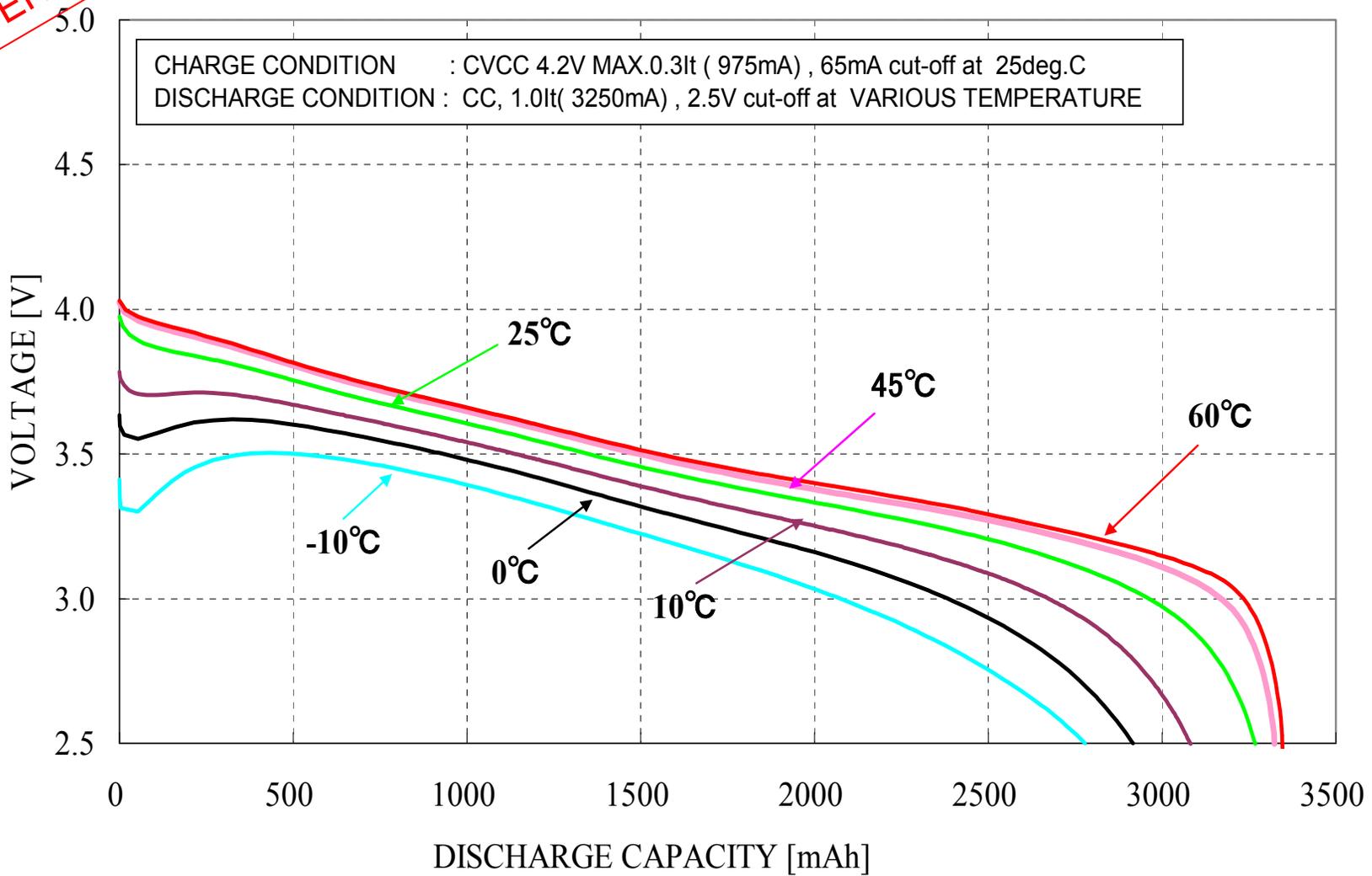
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## Discharge Rate Characteristics for NCR18650B



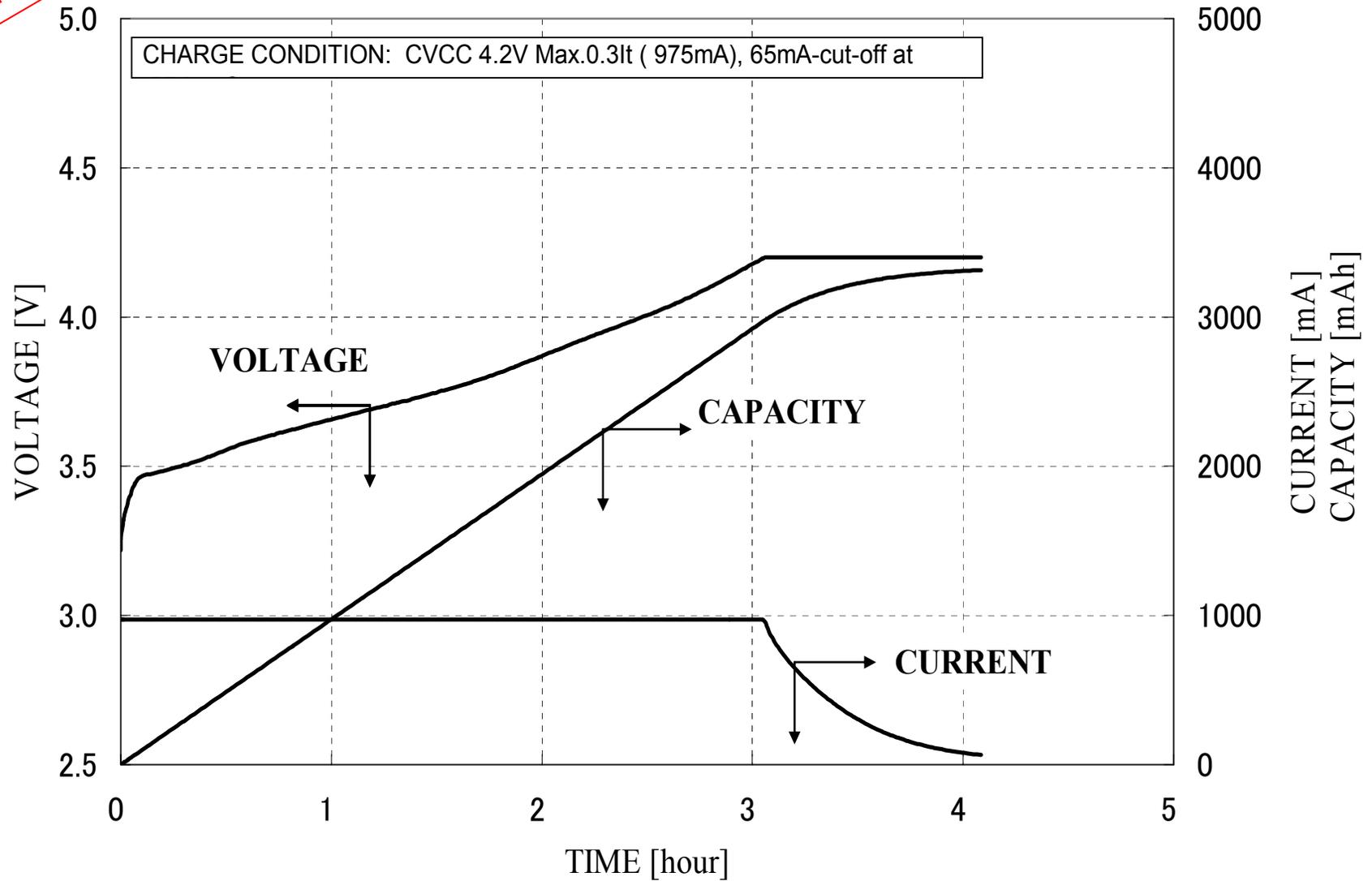
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# Discharge Temperature Characteristics for NCR18650B



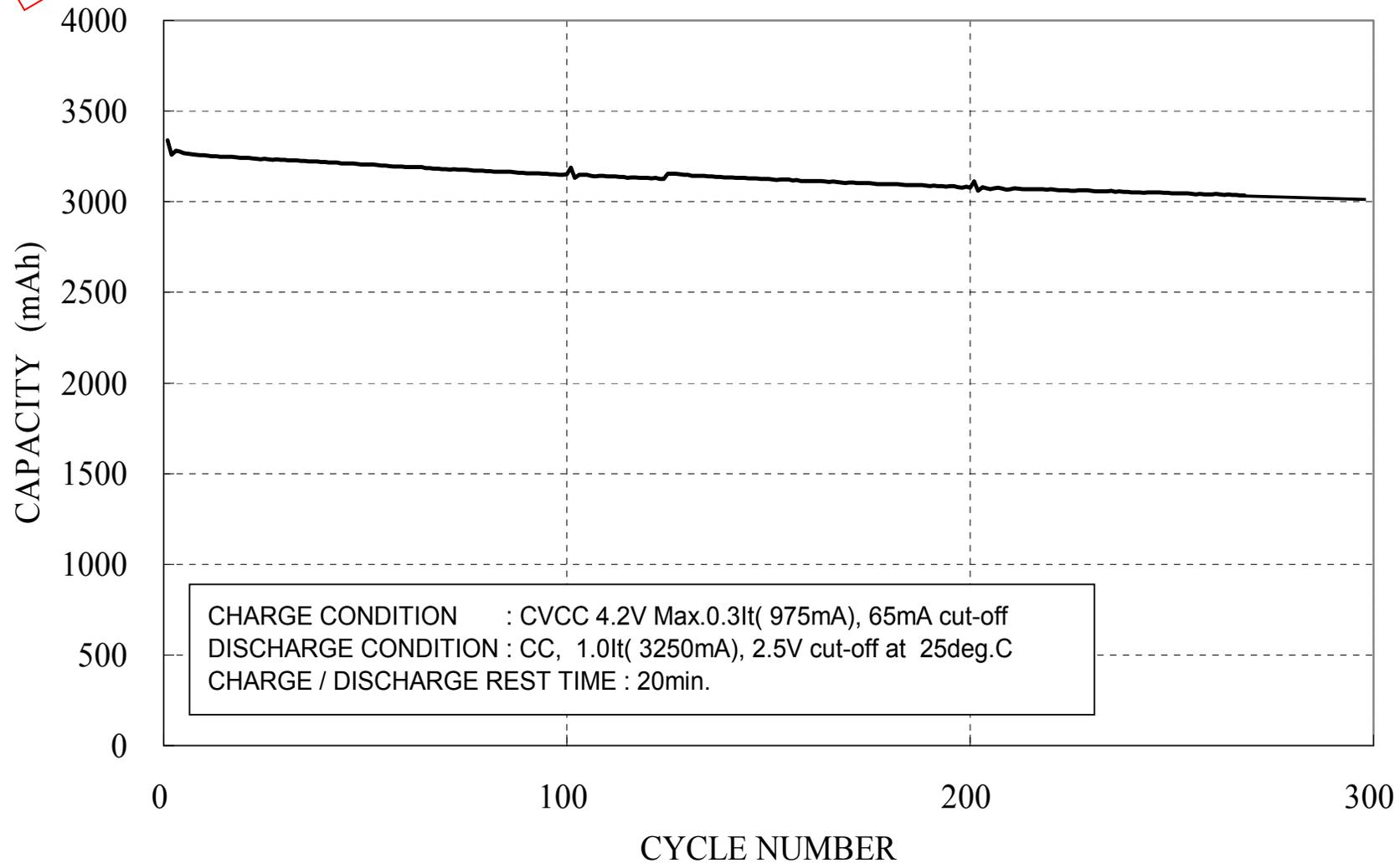
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## Charge Characteristics for NCR18650B



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## Cycle Characteristics for NCR18650B



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