Lithium Ion NCR18650E

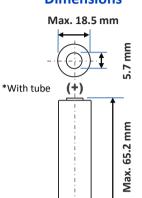
Panasonic

Specifications

Features & Benefits

- High drain and high capacity model (High power & energy density) Long stable power with a flat discharge voltage
- Ideal for power tools, Ebikes, robotics, etc.

Rated capacity ⁽¹⁾	Min. 2100mAh
Capacity ⁽²⁾	Min. 2150mAh Typ. 2250mAh
Nominal voltage	3.6V
Charging	CC-CV, Std. 2150mA, 4.20V, 3.0 hrs
Weight (max.)	45.0 g
Temperature	Charge*:0 to +45°CDischarge:-20 to +60°CStorage:-20 to +50°C
Energy density ⁽³⁾	Volumetric: 449 Wh/l Gravimetric: 172 Wh/kg



(_)

For Reference Only

Charge Characteristics

CAPACITY

40

20

VOLTAGE

5.0

4.5

4.0

3.5

3.0

2.5

2.0

VOLTAGE (V)

 $^{(1)}$ At 20°C $\,^{(2)}$ At 25°C $\,^{(3)}$ Energy density based on bare cell dimensions

3000

2000

1000

0

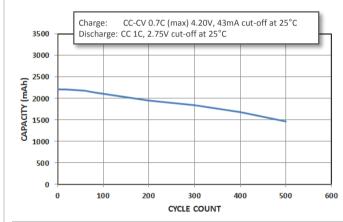
120

(mA) (mAh)

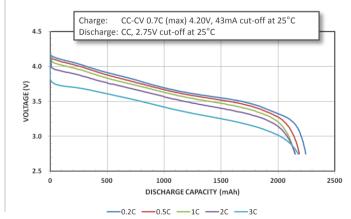
CURRENT

CAPACITY

Cycle Life Characteristics



Discharge Characteristics (by rate of discharge)



The data in this document is for descriptive purposes only and is not intended to make or imply any guarantee or warranty.

Discharge Characteristics (by temperature)

60

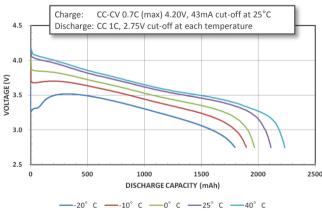
TIME (minutes)

Charge: CC-CV 0.7C (max) 4.20V, 43mA cut-off at 25°C

CURRENT

100

80



Dimensions

^{*} At temperatures below 10°C, charge at a 0.5C rate.