

UR18650AA Standard data

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

Cell specification of UR18650AA

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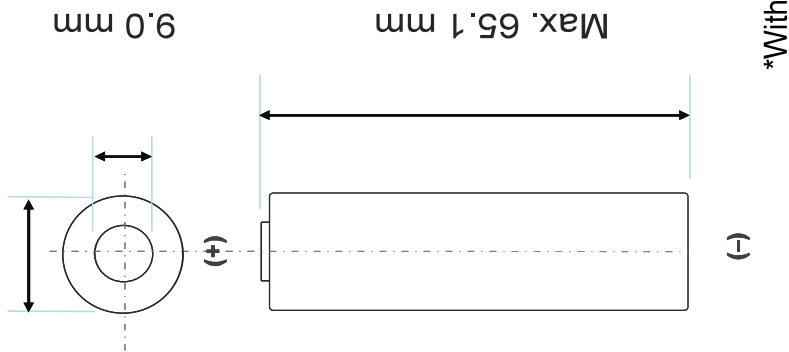
Specifications

Rated capacity ⁽¹⁾	Min. 2100mAh
Nominal capacity ⁽²⁾	Min. 2150mAh Typ. 2250mAh
Nominal voltage	3.6V
Charging	CC-CV, Std. 1470mA, 4.2V, 3.0 hrs
Weight (max.)	43.1g
Temperature	Charge: 0 to +40° C Discharge: -20 to +60° C Storage: -20 to +50° C
Energy density	Volumetric: 453 Wh/l Gravimetric: 178 Wh/kg

⁽¹⁾ At 20° C ⁽²⁾ At 25° C

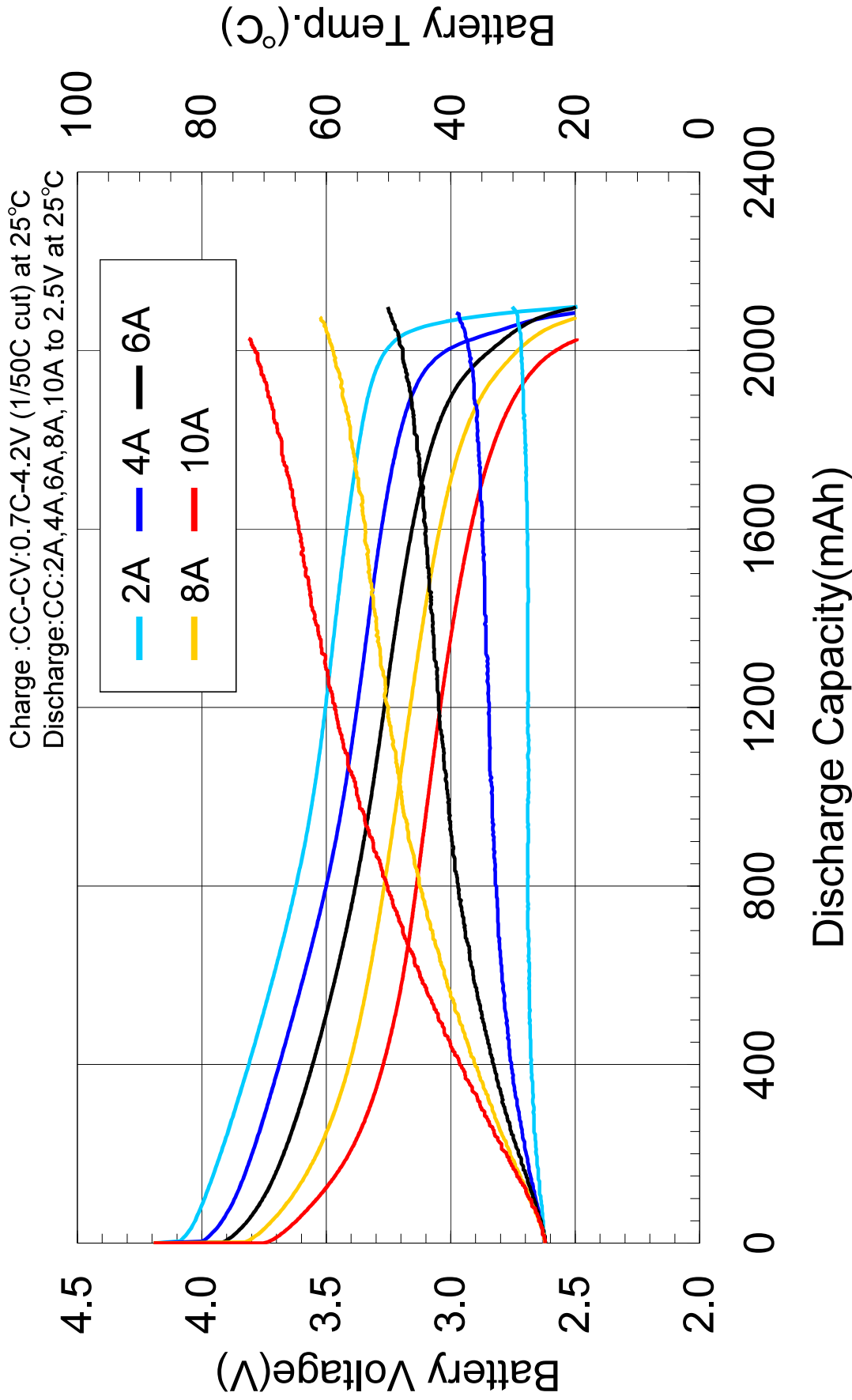
Dimensions

Max. 18.5 mm



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

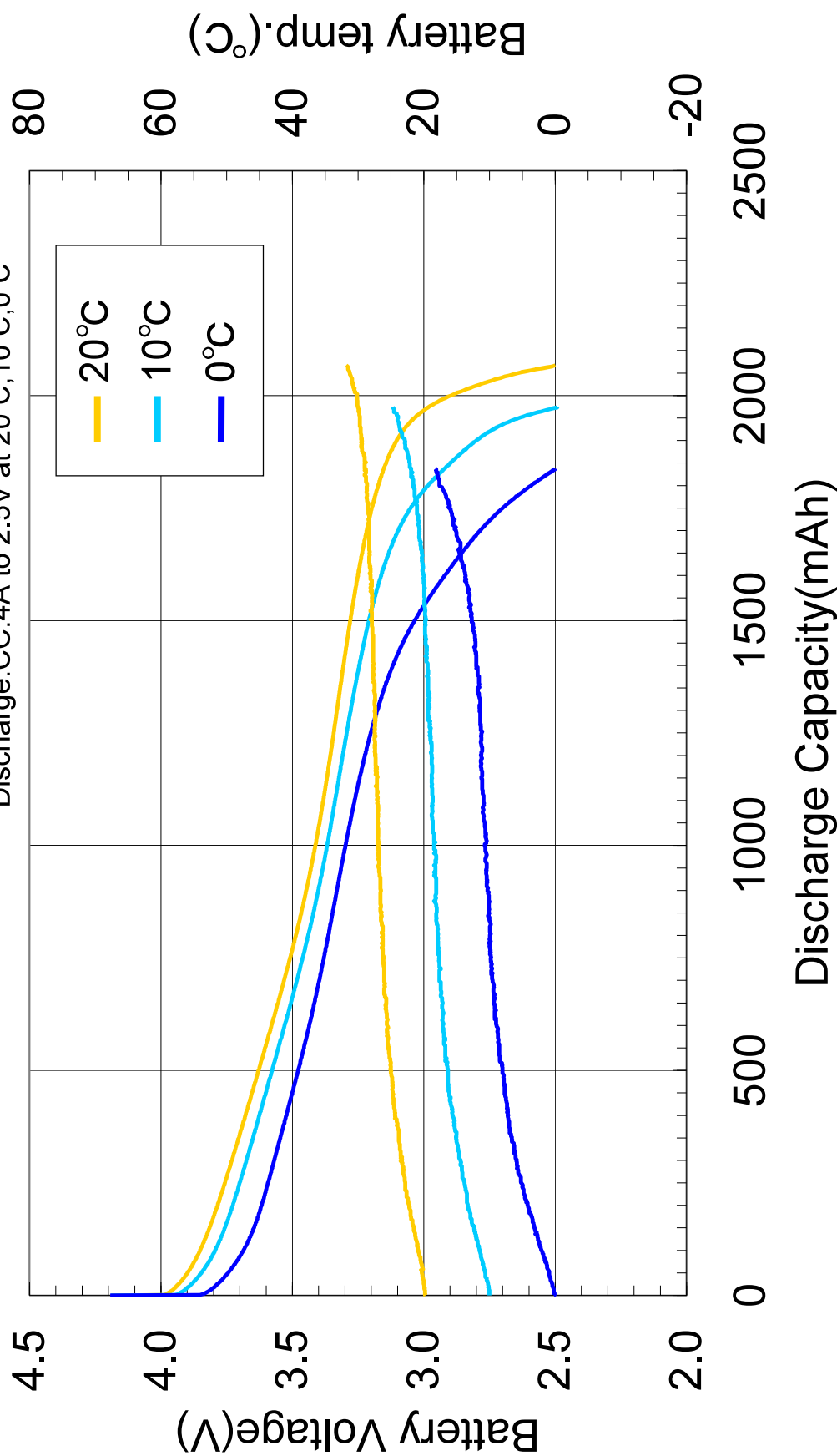
Discharge rate characteristics of UR18650AA



Discharge temp. characteristics of UR18650AA

4A @ various temp.

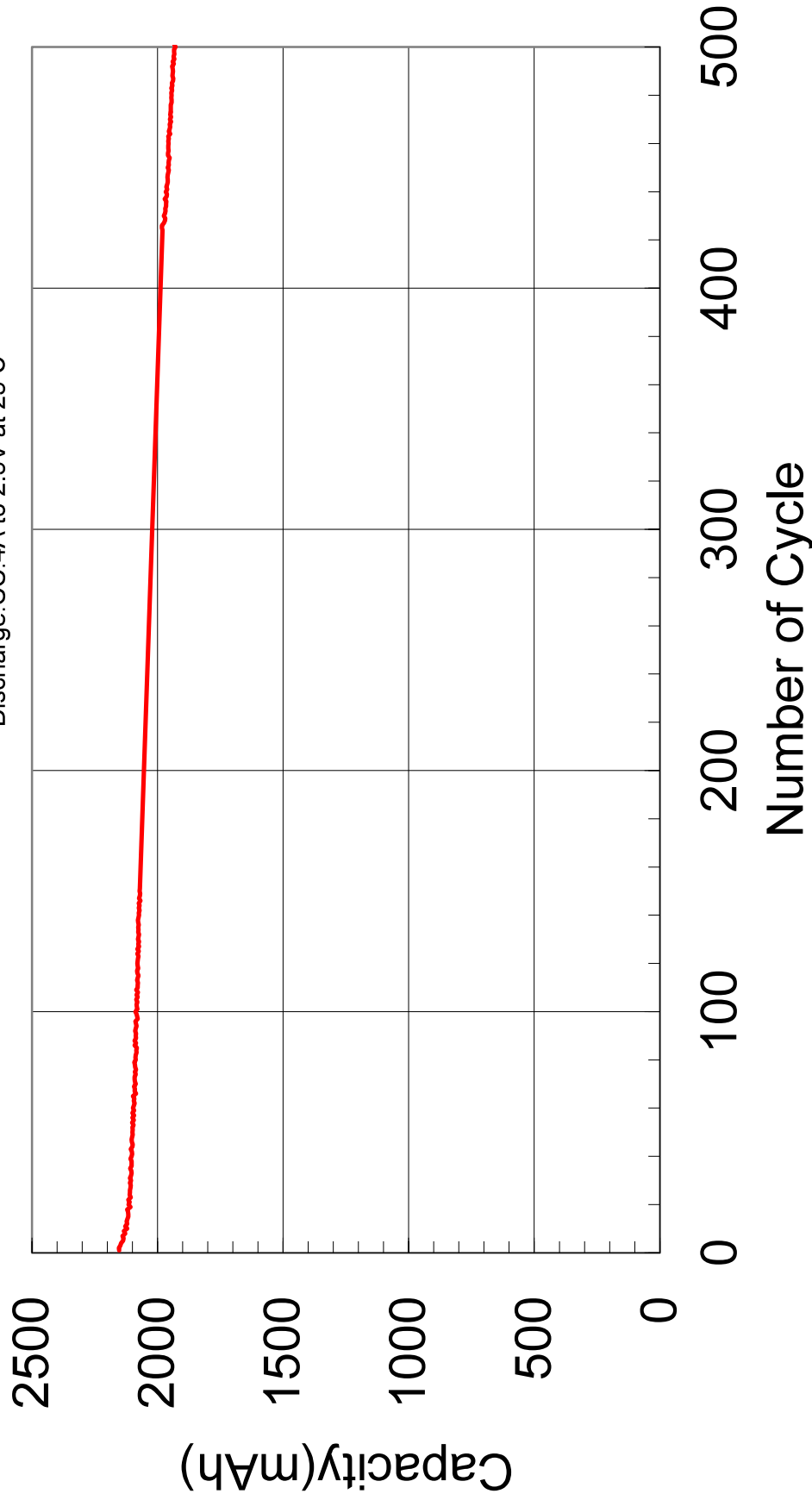
Charge : CC-CV: 1.47A - 4.2V(42mA cut) at 20°C
Discharge: CC: 4A to 2.5V at 20°C, 10°C, 0°C



Cycle characteristics of UR18650AA

4A@25°C

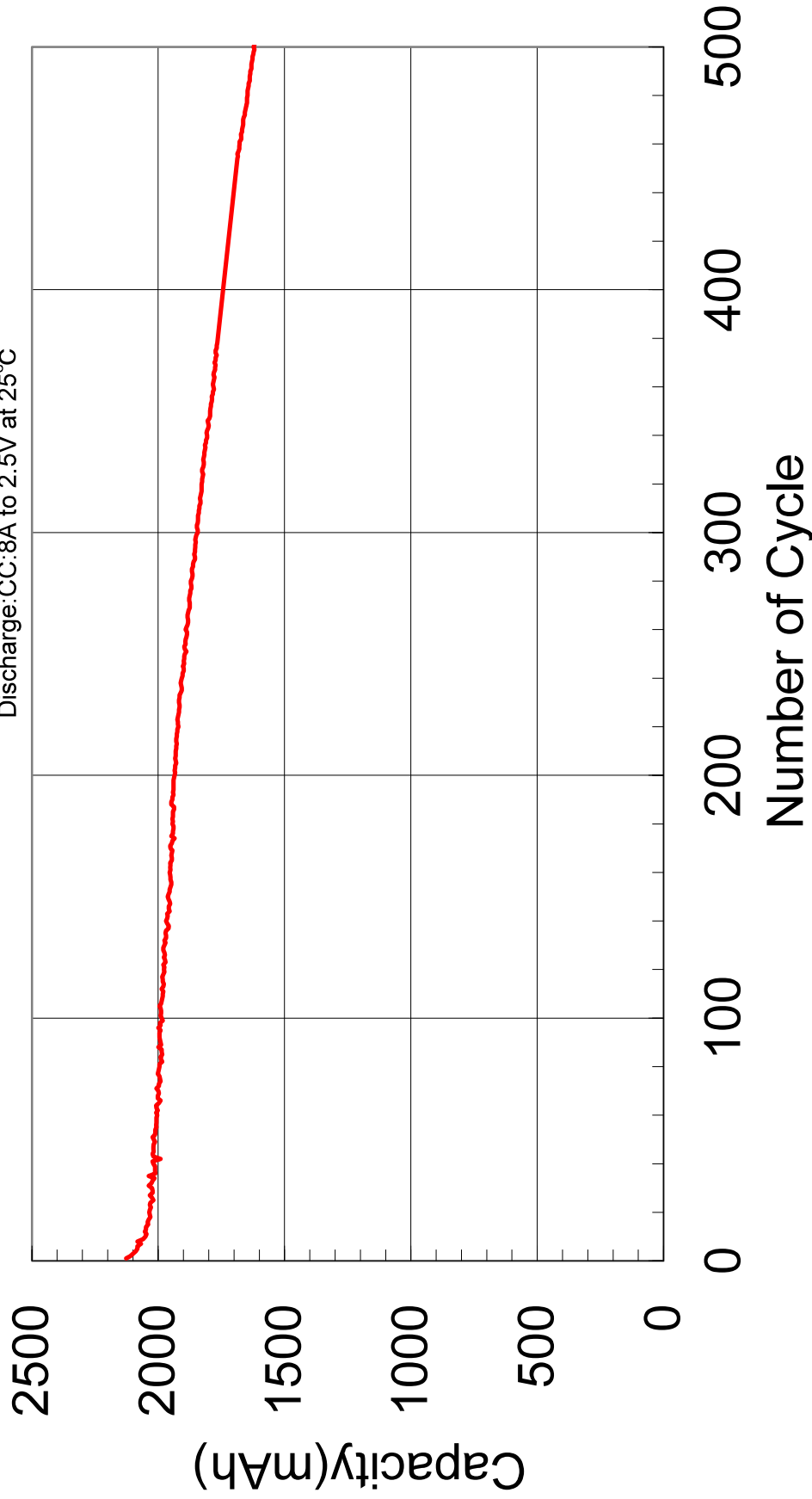
Charge : CC-CV:1550mA-4.2V(100mA cut) at 25°C
Discharge:CC:4A to 2.5V at 25°C



Cycle characteristics of UR18650AA

8A@25°C

Charge : CC-CV:1550mA-4.2V(100mA cut) at 25°C
Discharge:CC:8A to 2.5V at 25°C





Panasonic