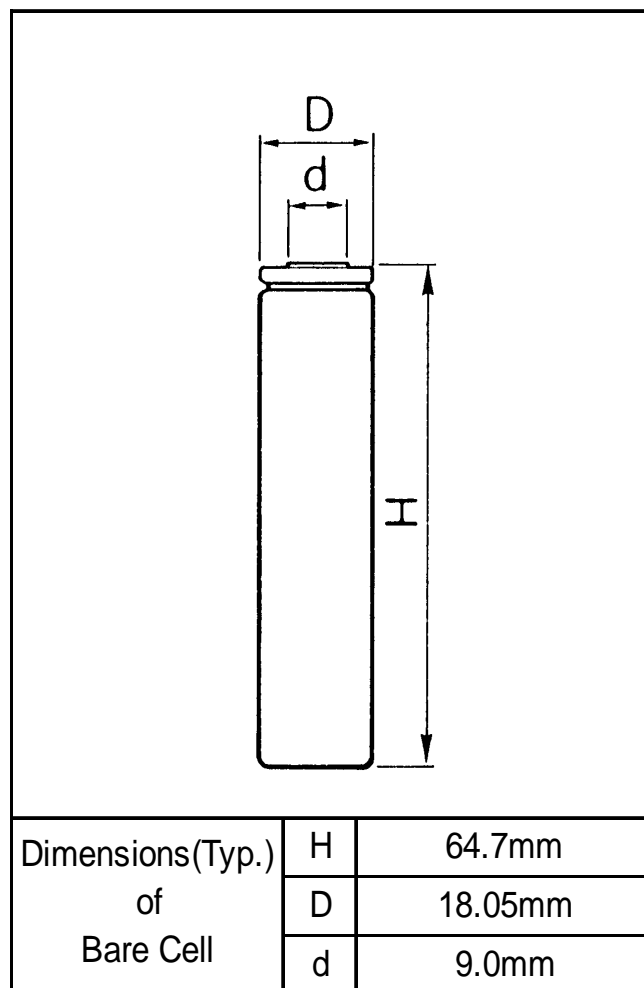


## Cell Type UR18650AY

Sep.'10

### Specifications



Discharged State after Assembling

Nominal Capacity		Min.2100mAh
Typical Capacity		Typ.2250mAh
Nominal Voltage		3.6V
Charging Method		Constant Current -Constant Voltage
Charging Voltage		4.2V
Charging Current		Std.1470mA
Charging Time		3.0hrs.
Ambient Temperature	Charge	0~+40°C
	Discharge	-20~+60°C
	Storage	-20~+50°C
Weight (Max.)		43.0g
Dimensions (Max.)	(D)	18.10mm
	(H)	64.80mm
Volumetric Energy Density		453Wh/l
Gravimetric Energy Density		175Wh/kg

Maximum size without tube

## UR18650AY(Typ.2.25) Changing Point

Sep.'10

	UR18650A (Current model)	change	UR18650AY (Tentative)
<b>Energy</b>	Typ.8.1Wh(Typ.2.2Ah)		Typ.8.1Wh(Typ.2.2Ah)
<b>Charge voltage</b>	4.2V		4.2V
<b>Nominal voltage</b>	3.6V		3.6V
<b>Cathode</b>	NMC		<b>New NMC</b>
<b>Anode</b>	Graphite		Graphite
<b>Cell size</b>	( $\phi$ ) 18.30(+0.10)mm (H) 64.80(+0.10)mm		( $\phi$ ) 18.30(+0.10)mm (H) 64.80(+0.10)mm

### Changes

**Reduce "Cobalt" content from Cathode materials (NMC) and increase Nickel content instead of Cobalt.**

## Discharge performance for UR18650AY(Typ.2.2Ah)

