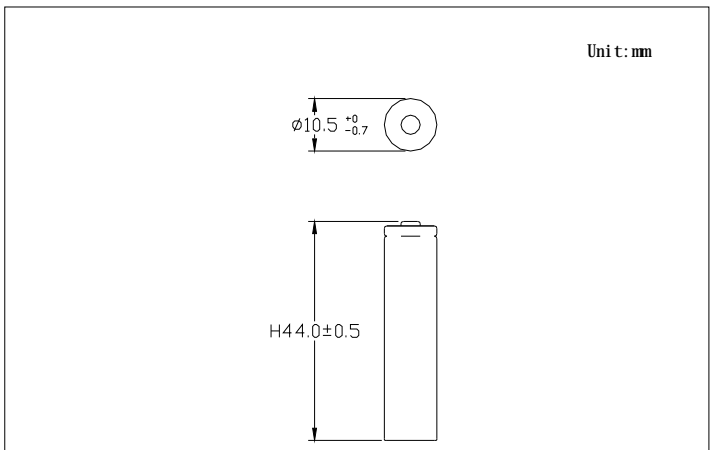


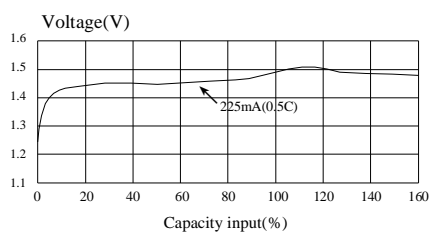
## Data Sheet for SN-AAA45H

| Specifications             |   |                   |
|----------------------------|---|-------------------|
| Type                       | Rechargeable Nickel Metal Hydride Cylindrical Cell  |                   |
| Model                      | SN-AAA45H   |                   |
| Nominal Voltage            | 1.2V  |                   |
| Applications               | 45-1350mA(Recommended Discharge Current)  |                   |
| Capacity                   | when discharge at 90mA to 1.0V at 20 °C   |                   |
|                            | Nominal   | 450mAh            |
|                            | Minimum   | 435mAh            |
| Dimensions                 | Diameter  | 10.5 $\pm$ 0.7 mm |
|                            | Height  | 44.0 $\pm$ 0.5mm  |
| Charge Condition           | 45mA for 16hrs at 20 °C   |                   |
| Rapid Charge               | 225mA(0.5C)<br>Charge termination control recommended<br>control parameters:<br>Timer CutOff =105%<br>- $\Delta V$ = 5-10mV/cell<br>dT/dt= 1~2°C/3min<br>Temp. CutOff = 50°C (122° F)<br>Ta=10~45°C |                   |
| Internal Resistance        | Average40m $\Omega$ upon fully charged<br>(Range 35-55m $\Omega$ ) at 1000Hz  |                   |
| Service Life(IEC standard) |   | $\geq$ 500 cycles |
| Weight                     |   | About 10.5g       |
| Ambient Temperature        | Standard Charging   | 0°C to 45°C       |
|                            | Fast Charging   | 10°C to 45°C      |
|                            | Discharging   | -20°C to 65°C     |
|                            | Storage   | -20°C to 35°C     |

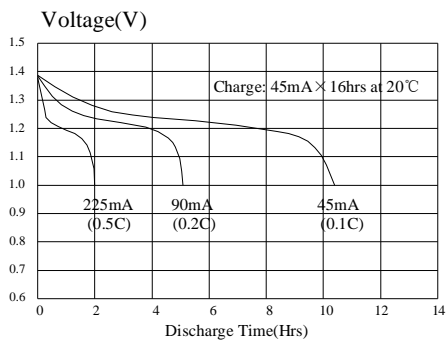


### Characteristics

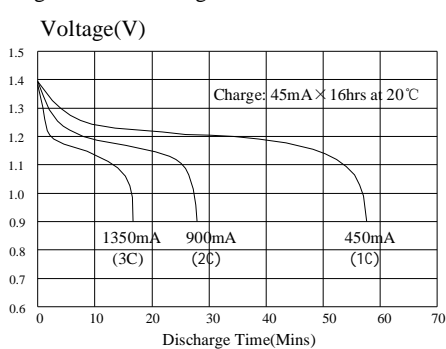
Fast Charge (Charge control required)



Low Rate Discharge



High Rate Discharge



Note:  
 1. Nominal capacity rated at 0.2C, 20° C.  
 2. The above information is generally descriptive only and is not intended as guarantee or warranty cell and battery specifications are subject to change without notice. All descriptions or warranties are contained solely in specification sheets accompanying formal offers.  
 Please consult SANIK for conditions of application outside those described in this document.