

X500NH

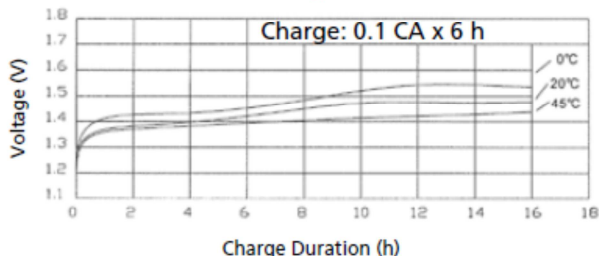
Specifications of single cell

Type:	Sealed Ni-MH Cylindrical Battery cell
Model:	X500NH
Nominal Voltage:	1.2 V
Nominal Capacity (20°C, 0.2 CA discharge to 1.0 V):	500 mAh
Typical Capacity:	520 mAh
Minimum Capacity:	500 mAh
Typical Internal Impedance (at 1 kHz, fully charged at 20°C max.):	≤ 35 mΩ
Average Weight	9.8 g
Dimensions (including PVC tube)	
Height (h):	29.0 ^{+1.0} mm
Diameter (D):	12.0 ^{+0.5} mm
Charging Method (20°C)	
Standard Charge:	Charge with 50 mA for 16 h
Quick Charge:	Charge with 150 mA for 4.5 h
Fast Charge:	Charge with 500 mA for 72 min (Under -Δ V controlled 10 mV/cell)
Max. Overcharge Current:	50 mA (No longer than 100 h)
Trickle Current:	15–25 mA
Operating Temperature (reference only)	
Storage:	-20°C ~ +45°C
Discharge:	-20°C ~ +65°C
Standard Charge:	0°C ~ +45°C
Fast Charge:	+10°C ~ +45°C

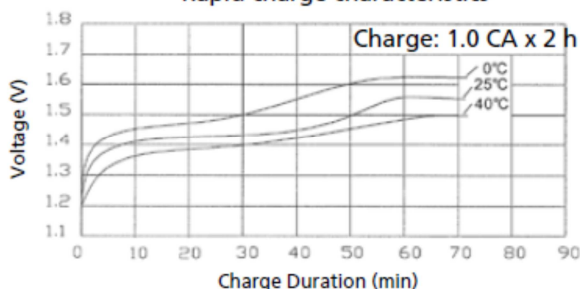
XCell®

Typical characteristics

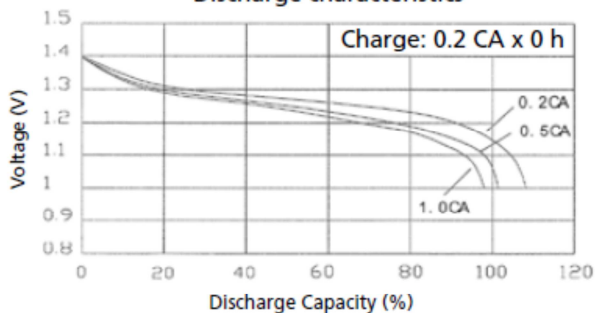
Standard charge characteristics



Rapid charge characteristics



Discharge characteristics



Dimensions with tube

(unit mm)

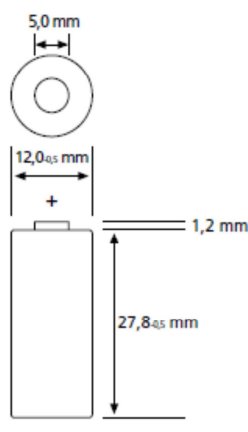


Illustration similar.