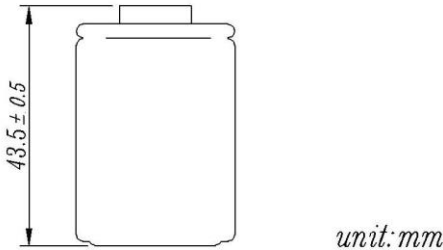
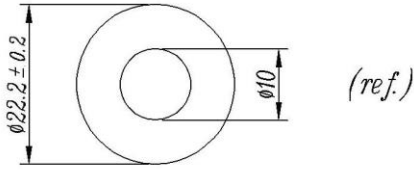


Sealed Rechargeable Cylindrical cell Nickel Metal Hydride

SC-3000 mAh



Date Sheet

Type-----EnrichpowerSC3000
System-----Sealed rechargeable Ni-MH Cylindrical cell
Nominal Voltage-----1.2V
Application-----Discharge current 300mA to 30A (Continuous)
Capacity (discharged at 0.2C to 1.0v at 20°C)
 Nominal 3000mAh
 Minimum 2900mAh
 Typical 3000mAh
Internal resistance (at 1 kHz)
 Fully charged, 20°C (approx)---4~6mΩ

Weight approx-----53g
Dimensions(including shrink sleeve)
 -Diameter -----22.2(±0.2mm)
 -Height -----43.5(±0.5mm)

Cd content(%cell w):-----0%
Typical Discharge time & Avg. Voltage (20°C)
 30A--350S--1.15V (TURBOMATCHER, discharged at 30A to 0.9v at 20°C)

Max. discharge current(continuous)-----20C
Charging conditions(20°C)

standard charge-----300mA 14h
 quick charge-----3000mA 1.1h
 fast charge -----2A to 6A

Charge termination control recommended control parameter

- Δ V 5mV
 DT/dt 0.8°C/min(0.5-1C)
 0.8°C-1°C/min(>1C)
 TCO 40-45°C

Timer 105%nominal input

Continuous 100mA maximum current for 1 year
Overcharge No conspicuous deformation and/or leakage

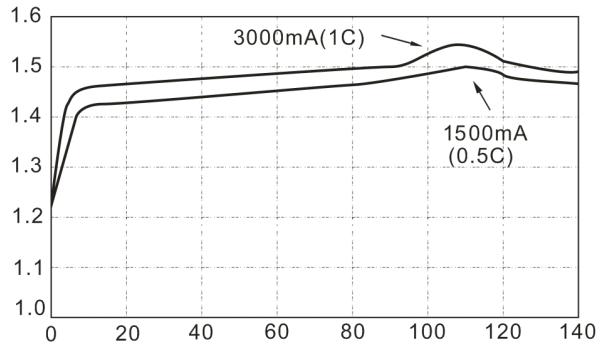
Max. charging voltage 1.5V at 300mA charging

Operation temperatures(recommended)

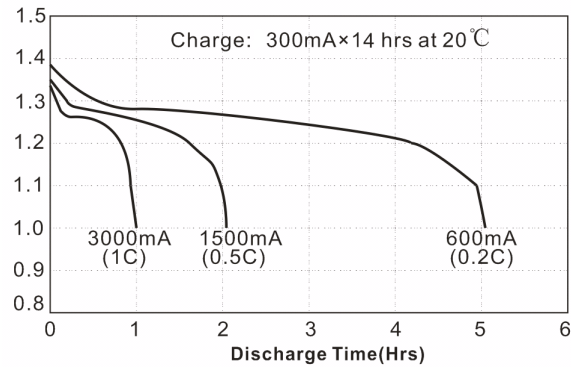
Storage----- -20°C up to +35°C
 Discharge----- -20°C up to +50°C
 standard charge----- 0°C up to +40°C
 quick charge, fast charge --10°C upto +40°C
 permanent charge----- +10°C up to +45°C

Life expectancy(20°C)----->500 cycles

Fast Charge (Charge Control required)
Voltage(V)



Low Rate Discharge
Voltage(V)



High Rate Discharge
Voltage (V)

