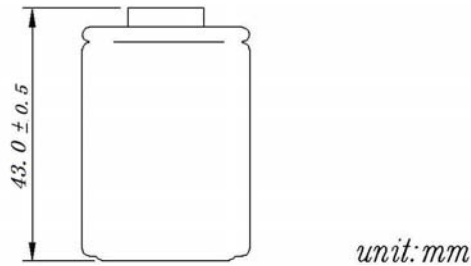
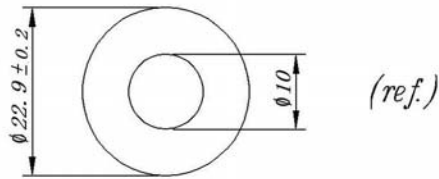


Sealed Rechargeable Cylindrical cell Nickel Metal Hydride

SC-4200 mAh



Date Sheet

Type-----EastpowerSC4200

System-----Sealed rechargeable Ni-MHCylindrical cell

Nominal Voltage-----1.2V

Application-----Discharge current 420mA to 30A (Continuous)

Capacity (discharged at 0.2C to 1.0v at 20°C)

Nominal 4200mAh

Minimum 4100mAh

Typical 4200mAh

Internal resistance (at 1 kHz)

Fully charged, 20°C (approx) --- 1.6 ~ 1.8mΩ

Weight approx-----69g

Dimensions(including shrink sleeve)

-Diameter -----22.9 (±0.2mm)

-Height -----43.0(±0.5mm)

Cd content(%cell w):-----0%

Typical Discharge time&Avg.Voltage (20°C)

30A--510S--1.235V (TURBOMATCHER , discharged at 30A to 0.9v

at 20°C)

Max.discharge current(continuous)-----20C

Charging conditions(20°C)

standard charge-----420mA 14h

quick charge-----4200mA 1.1h

fast charge -----2A to 6A

Charge termination control recommended control parameter

-ΔV 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

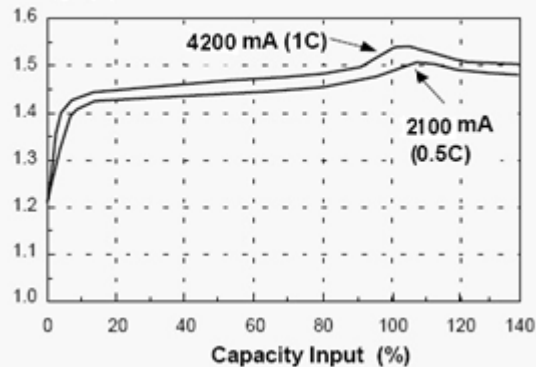
Overcharge No conspicuous deformation and/or leakage

Max.charging voltage 1.5V at 420mA charging

Operation temperatures(recommended)

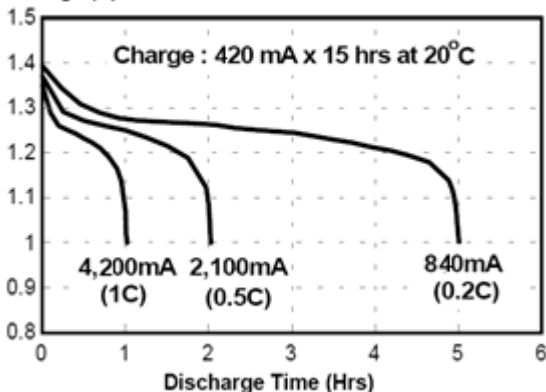
Fast Charge (Charge Control required)

Voltage (V)



Low Rate Discharge

Voltage (V)



High Rate Discharge

Voltage (V)

1.5

Storage----- -20°C up to +35°C

Discharge----- -20°C up to +50°C

standard charge----- 0°C up to +40°C

quickcharge,fastcharge--10°C upto +40°C

permanent charge-----+10°C up to +45°C

Life expectancy(20°C)----->500 cycles