

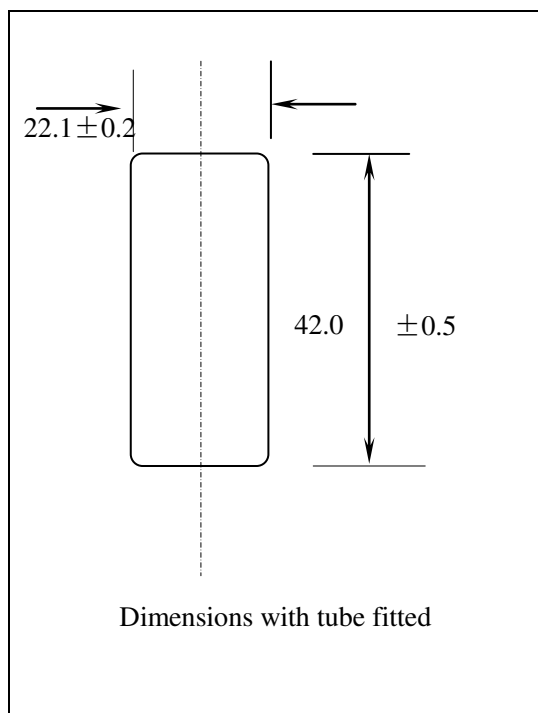


Yuasa Battery Sales (UK) Ltd

MODEL No: 1SCM (GENERIC)

Description: Sub C SIZE NI-MH

Capacities Available : 2000 up to 3000 mAh



Specification

| | | | |
|---|-----------|------------|----------|
| Nominal Capacity | | As Spec | |
| Nominal Voltage | | 1.2 V | |
| Charge current | Trickle | 0.05 CA | |
| | Standard | 0.1 CA | |
| | Quick | 0.3 CA | |
| | Fast | 0.5 CA | |
| Charge time | Standard | 14~16 Hrs | |
| | Quick | 4~5 Hrs | |
| | Fast | 2.5Hrs | |
| Ambient Temperature | Charge | Standard | 0~45°C |
| | | Quick | 10~45°C |
| | | Fast | 10~45°C |
| | Discharge | | -30~60°C |
| | Storage | | -30~65°C |
| Max Humidity for Discharge | | 85% | |
| Internal Impedance(AC) (After Charge using 1Khz) | | Max ≤ 10.5 | |
| Weight | | 57.0g | |

Performance

| Test | Unit | Specification | Test Conditions |
|---------------------------|--------|----------------------------|--|
| Capacity | mAh | ≥ Capacity as specified | Standard Charge and then Discharge (0.2CA for 5 Hours) Allowing up to 3 cycles to achieve full capacity |
| Open Circuit Voltage(OCV) | V/cell | ≥ 1.25 | Within 1 hour after standard Charge |
| High Rate Discharge(1C) | Minute | ≥ 54 | Standard Charge then 1 hour rest. Before discharge by 1CA)to 1.0V/cell. Allowing up to 3 cycles to achieve full capacity. |
| Overcharge | / | No leakage nor explosion | (0.1C) Charge 28 days |
| Charge Retention | mAh | ≥ 0.7C (70%) | Standard Charge, Storage 28 days, Standard Discharge |
| IEC Cycle Life | Cycle | ≥ 500 | IEC285(1993)4.4.1 |
| Leakage | | No leakage nor deformation | Fully charged at : (0.3C) for 4.5hrs. Then stand for 14 days |

- Maximum Cell voltage should be considered to be 1.70 Volts.
- ΔV termination should be set at 6 mV/cell.
- DT/dt termination should be 0.6°C/Minute.

CELL PACK
SOLUTIONS

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