

Fluke Corporation

Part Type: Secondary Battery

Title/Function: Battery, Ni-MH, 7.2 V, 2.3 Ah, with Connector, Resettable Thermo-Fuse, & Thermistor

1. ELECTRICAL REQUIREMENTS

 $T_A = 20\text{ }^{\circ}\text{C}$ unless noted

1.1	Nominal Voltage	7.2 V
1.2	Chemical System	Ni-MH
1.3	Rated Service Capacity $I_{load} = 500\text{ mA}$	2.3 Ah min.
1.4	Recommended Charge	
1.4.1	Trickle, C/30 to C/20, $t = 48$ to 32 hours	83 to 125 mA
1.4.2	Standard, $t = 16$ hours	250 mA
1.4.3	Fast, dT/dt or $-\Delta V$ termination, $t = 1.1$ hours	2.5 A
1.5	Recommended Discharge Termination Voltage	5.7 V
1.6	Internal Impedance Fully Charged, $f = 1\text{ kHz}$	200 m Ω nom.
1.7	Maximum Discharge Current Continuous, Room Temperature	3.5 A
1.8	Expected Cycle Life Recommended Fast Charge, 500 mA Discharge to 5.7V	300 cycles minimum
1.9	Insulation Resistance Sleeve to Battery	$2 \times 10^8\text{ }\Omega$ min.
1.10	Breakdown Voltage Sleeve to Battery	1 kV min.
1.11	Dimensions	109.22 [4.300] max x 42.16 [1.660] max.