

SPECIFICATIONS OF SINGLE CELL

Type	Nickel-Cadmium / Ni-Cd
Model	SC / 1.500mAh

TECHNICAL INFORMATIONS

Item	Specifications	Conditions
Nominal Voltage	14.4V	
Configuration	12S1P	
Nominal Capacity	1.580 mAh	Standard Charge/Discharge
Minimum Capacity	1.500 mAh	
Standard Charge	150 mA(0.1C) × 16 hrs	Ambient temperature of 20±5°C, Relative Humidity: 65±20%
Rapid Charge	750 mA (0.2C) × 2.6 hrs / approx.	-delta V controlled: 15mV/cell cut-off dT/dt controlled: 1°C per min.
Trickle Charge	0.03C-0.5C	Ta=0 ~ 45°C
Standard Discharge	300mA (0.2C)	to 1.0V/cell
Fast Discharge	750 mA(0.5C)	Ta= -20°C ~ 50°C
Maximum Continuous Discharge Current	4.500 mA	3C
Discharge Cut-off Voltage	12.6 V	
Storage Temperature	-20 °C ~ 35°C	Discharged state
Weight	505 gr. / approx.	
Open Circuit Voltage(OCV)	≥15.00V	The open circuit voltage is measured within 1-4 hours after standard charge.
Internal Impedance	≤410mΩ	The initial internal resistance is measured at 1KHz within 1-4 hours after standard charge.
Overcharge	No leakage nor explosion	The overcharge test is measured with a discharge current of 0.2C and a discharge end-off voltage of 1.0V/cell within 1-4 hours after charging for 28 days at a current of 0.1C. Check cell appearance after overcharge
Charge Retention	≥300mAh	After standard charge and storage time of 28 days at an ambient temperature of 20°C±2°C, the capacity is measured with a discharging current of 0.2C and a discharge end-off voltage of 12.6V.
Cycles Test	≥500 Cycle	IEC61951-2:2003

TECHNICAL DRAWINGS

Item	Specifications	Drawings
Thickness	46.0 mm	
Width	68.0 mm	
Length	92.0 mm	
Connector Model	-	
Cable Length	300±5 mm	
Cable Thickness	UL1007 AWG18#	

IMAGE

