

### 3S1P - 3.6V 600 Mah AA - Ni-Cd Battery Pack

Stock Code  
900.600.503.247

#### SPECIFICATIONS OF SINGLE CELL

Type Nickel-Cadmium / Ni-Cd  
Model AA/ 600mAh

#### TECHNICAL INFORMATIONS

Item	Specifications	Conditions
Nominal Voltage	3.6V	
Configuration	<b>3S1P</b>	
Nominal Capacity	600 mAh	Standard Charge/Discharge
Minimum Capacity	580 mAh	
Standard Charge	60 mA(0.1C) × 16 hrs	Ambient temperature of 20±5°C, Relative Humidity: 65±20%
Standard Discharge	120mA (0.2C)	to 1.0V/cell
Rapid Charge	600 mA (1C) × 1.2 hrs / approx.	(With -ΔV or dT/dt or TCO control) Timer CutOff = 120% -ΔV= 10-20mV/cell dT/dt= 1 ~ 2°C/3min Temp. CutOff = 50°C (122°F) Ta=10 ~ 45°C
Trickle Charge	0.03C-0.5C	Ta=0 ~ 45°C
Discharge Cut-off Voltage	3.0 V	
Maximum Discharging Current	600 mA(1C)	Ta= -20°C ~ 50°C
Storage Temperature	-20 °C ~ 35°C	Discharged state
Weight	55 gr. / approx.	
Open Circuit Voltage(OCV)	≥3.75V	Within 1hr after standard charge
Internal Impedance	≤30mΩ	Upon fully charge(1000Hz)
High Rate Discharge (0.5C)	≥96min	Standard Charge, 1hr rest before discharge / by 0.5C to 3.0 V
Overcharge	No leakage nor explosion	60mA(0.1C) charge 14 days
Charge Retention	≥390mAh	Standard Charge, Storage: 28 days, Standard Discharge
Cycles Test	≥500 Cycle	IEC61951-2:2003

## TECHNICAL DRAWINGS

Item	Specifications	Drawings
Thickness	15.0 mm	<p>The technical drawings include:            - Top view: Shows three AA cells in series, with a maximum width of 44.0mm. Callouts 2 and 3 point to the cable and connector.            - Side view: Shows the battery pack with a maximum length of 52.0mm and a cable length of 70.0mm. Callouts 1, 4, and 5 point to the battery pack, connector, and cell boundaries.            - Bottom view: Shows the bottom of the battery pack with a maximum thickness of 15.0mm. Callout 3 points to the cable.</p>
Width	44.0 mm	
Length	52.0 mm	
Connector Model	JST-XHR-2P	
Cable Length	70mm	
Cable Thickness	UL1007 AWG22	

## IMAGE

