



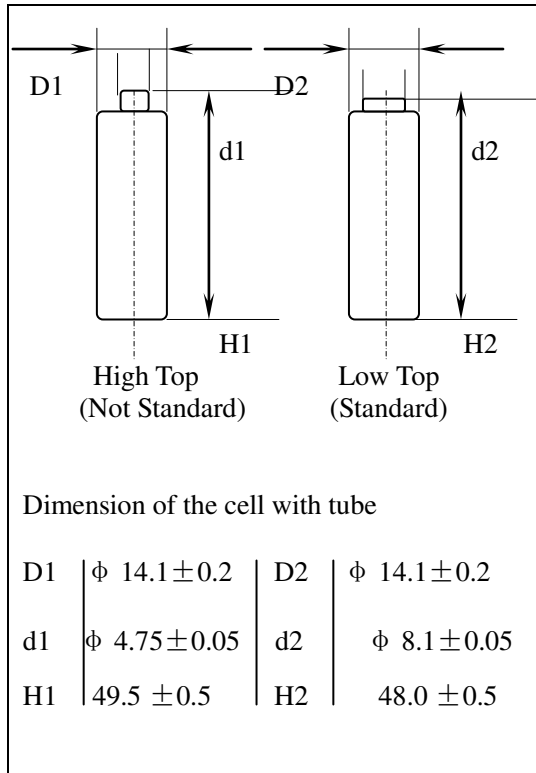
# Yuasa Battery Sales (UK) Ltd

**MODEL No: 1AA (GENERIC)**

**Description: AA SIZE NI-CAD**

**Capacities Available : 500,600,700,800,900 and 1000 mAh**

### Specification



Nominal Capacity		As Spec	
Nominal Voltage		1.2 V	
Charge current	Trickle	0.05 - 0.1 CA	
	Standard	0.1 CA	
	Quick	0.3 CA	
	Fast	0.5 CA	
	Rapid (not 1Ah)	1.0 CA	
Charge time	Standard	14~16 Hrs	
	Quick	4~5 Hrs	
	Fast	2.5Hrs	
	Rapid (not 1Ah)	1.2 Hrs	
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 $\leq 21 \text{ m}\Omega$	
Weight		25g	

### Performance

Test	Unit	Specification	Test Conditions
Capacity	Mah	$\geq$ 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	$\geq 1.25$	Within 1 hour after standardCharge
High Rate Discharge(1C)	Minute	$\geq 54$	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	$\geq 0.7C$ (70%)	Standard Charge, Storage 28 days, Standard Discharge
IEC Cycle Life	Cycle	$\geq 700$	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.
- $\Delta V$  termination should be set at 20-30 mV/cell.
- DT/dt termination should be 0.5°C/Minute.

**NOTE:** 1000mAh is **not** suitable for Rapid charge.



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