

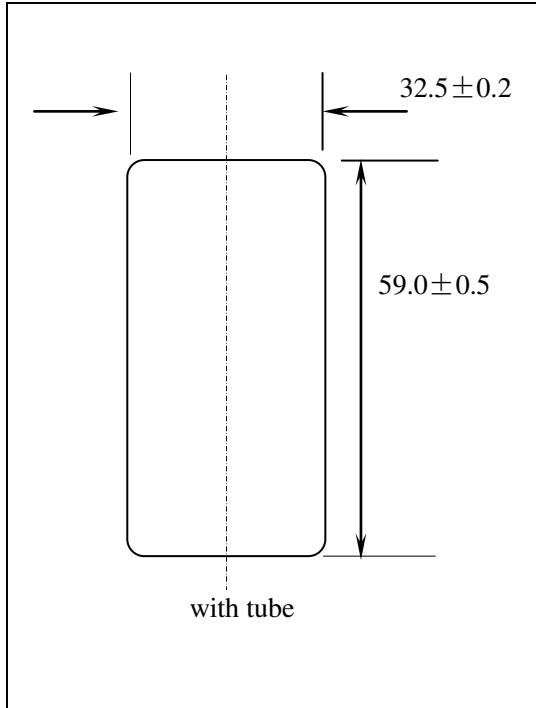


Yuasa Battery Sales (UK) Ltd

MODEL No: 1DH (GENERIC)

Description: D SIZE HIGH TEMP NI-CAD

Capacities Available : 4000, 4400 and 4500 mAh



Specification

Nominal Capacity		As Spec	
Nominal Voltage		1.2 V	
Nominal Design Life		4 years @ 50 °C	
Charge current	Trickle	0.05 CA	
	Standard	0.1 CA	
	Quick	0.3 CA	
Charge time	Standard	14~16 Hrs	
	Quick	4~5 Hrs	
Ambient Temperature	Charge	Standard	-20~56°C
		Quick	-20~56°C
	Discharge		-20~56°C
	Storage		-20~56°C
Max Humidity for Discharge		85%	
Internal Impedance(AC) (After Charge using 1Khz)		Average ≤7.5 Max ≤9.0	
Weight		126g	

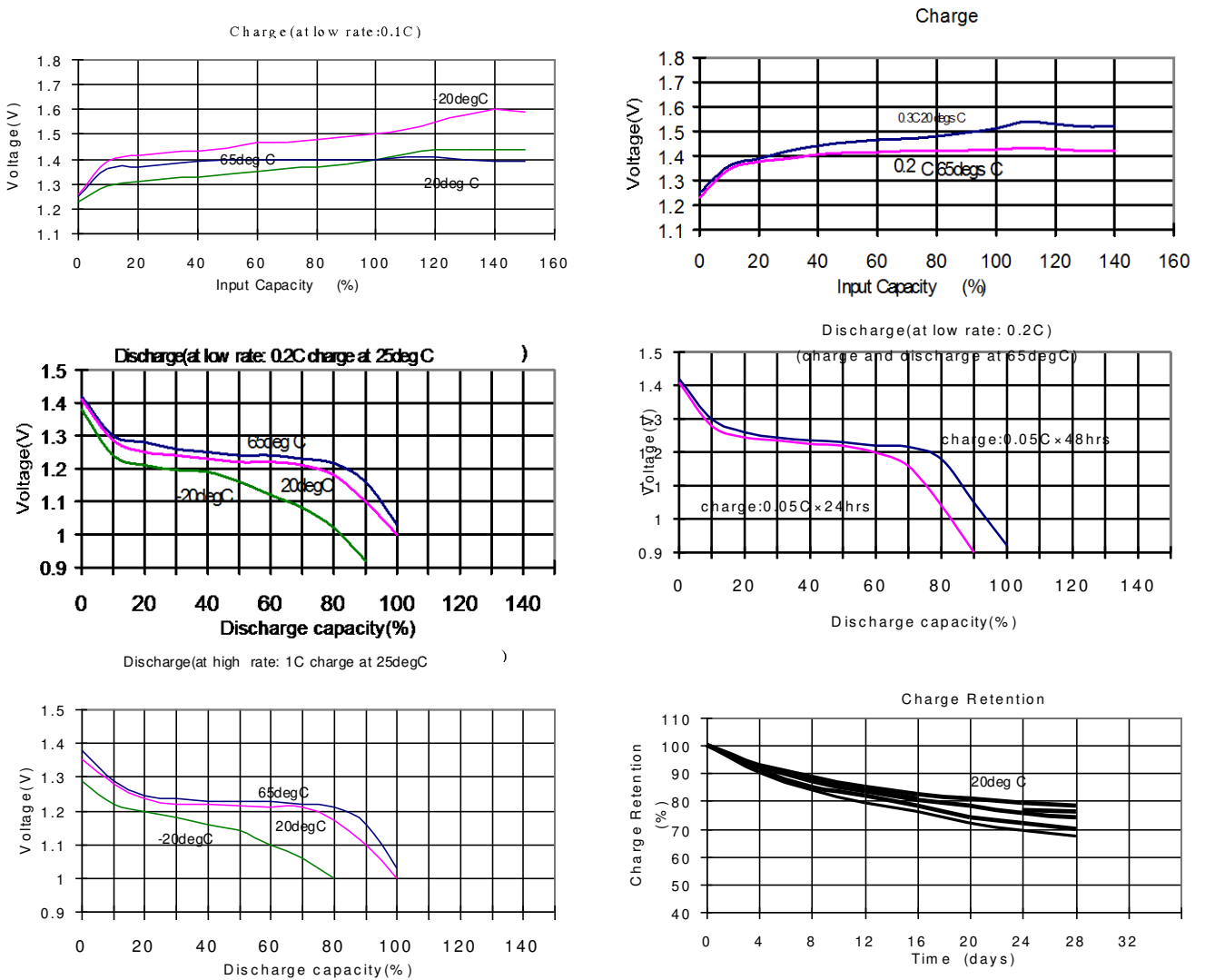
Performance

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	≥700	IEC285(1993)4.4.1
Leakage		No leakage nor deformation	Fully charged at : (0.3C) for 4.5hrs. Then stand for 14 days



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Characteristic Curves



CAUTION

1. Reverse charging is not acceptable.
2. Charge before use. The cells/batteries are delivered in an uncharged state.
3. Do not charge/discharge with more than our specified current.
4. Do not short circuit the cell/battery. Permanent damage to the cell/battery may result.
5. Do not incinerate or mutilate the cell/battery.
6. Do not solder directly to the cell/battery.
7. The life expectancy may be reduced if the cell/battery is subjected adverse conditions like: extreme temperature, deep cycling, excessive overcharge/over-discharge.