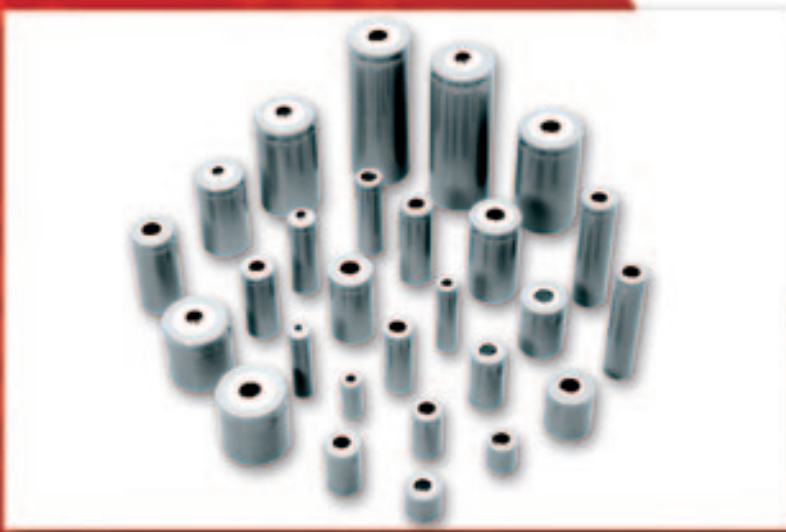




NiCd



## Cylindrical Nickel Cadmium (NiCd)

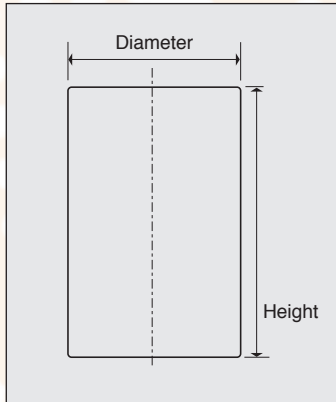
NiCd

# Cylindrical Nickel Cadmium (NiCd)

## FEATURES

- **High Capacity** - Using latest technology, Yuasa Nicad product has some of the highest capacities available.
- **Long Service Life** - Depending upon application up to 1000 charge / discharge cycles can be expected.
- **High Temperature Options** - Some popular cell sizes are available in high temperature versions.

## Product Details



Can Size	Diameter (mm)	Height (mm)
AA	14.1	48.0
7 / 5 AA	14.1	64.4
4 / 5 AA	14.1	42.6
2 / 3AA	14.1	28.0
1 / 2 AA	14.1	24.0
1 / 3 AA	14.1	16.5
AAA	10.1	43.6
2 / 3 AAA	10.1	27.8
1 / 2 AAA	10.1	25.0
1 / 4 AAA	10.1	12.0
AAAA	8.1	41.5
F	32.3	89.0
D	32.3	59.0
1 / 2 D	32.3	35.0

Can Size	Diameter (mm)	Height (mm)
A / AF	16.8	49.0
7 / 5 A / AF	16.8	65.9
4 / 5 A	16.8	42.1
2 / 3 A	16.8	32.9
1 / 2 A	16.8	28.0
1 / 3 A	16.5	16.5
C	25.3	49.0
1 / 2 C	25.3	23.0
1 / 3 C	25.3	19.1
SC	22.2	42.0
5 / 4 SC	22.2	49.0
4 / 5 SC	22.2	32.5
1 / 2 SC	22.2	25.5
N	11.7	28.5

## Available Capacities

Can Size	Capacities Available (mAh)
AA	600, 700, 800, 900, 1000
7 / 5 AA	1200
4 / 5 AA	600
2 / 3AA	400
1 / 2 AA	300
1 / 3 AA	170
AAA	320
2 / 3 AAA	170
1 / 2 AAA	100
F	8000
D	4000, 4400, 5000
1 / 2 D	2500

Note: Other capacities may be available on request.

Can Size	Capacities Available (mAh)
A	1200, 1300, 1400
7 / 5 A	1800
4 / 5 A	1200
2 / 3 A	750
1 / 2 A	600, 650
1 / 3 A	250
C	2200, 2500, 2800, 3000
1 / 2 C	750
SC	1600, 1800, 2000
5 / 4 SC	2300
4 / 5 SC	1000, 1200
1 / 2 SC	750, 800
N	220

## High Temp Cells

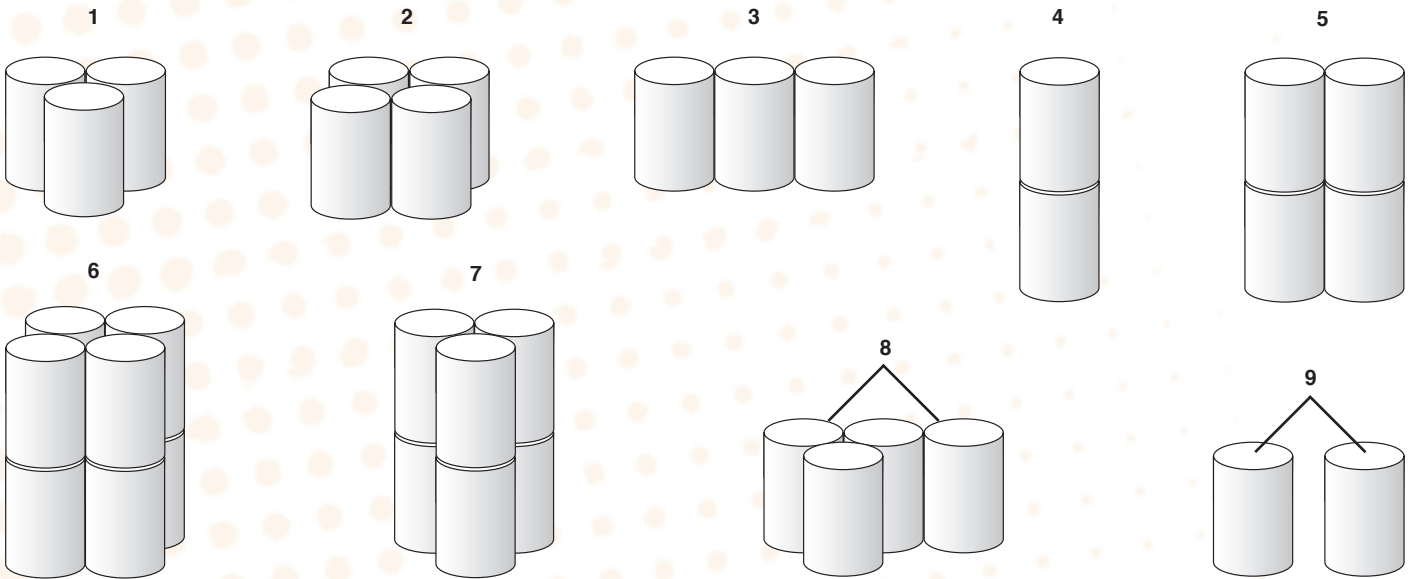
Can Size	Capacities Available (mAh)
D	4000, 4400
C	2500
Sub C	1600, 1800

**Yuasa High Temperature Cells comply with BS EN 60285.**

## Packs

All Yuasa cylindrical cells can be connected together to form higher voltage packs. Depending upon quantities required almost any configuration can be achieved. Details available upon request.

### Example Configurations



Style No	Styles Configuration Description
1	Cells upright and diagonal to each other for smallest possible pack size
2	Cells upright and next to each other in parallel rows
3	Cells upright in single row
4	Cells upright with one directly on top of another. Commonly called a 'stick'
5	Cells upright in twin 'stick'
6	Cells upright with 4 sticks connected in parallel rows
7	Cells upright with sticks connected diagonally for smallest pack size
8	Customer specified configuration
9	Customer specified configuration requiring special manufacturing requirements

Part numbers for packs incorporate all the information required to identify manufacturing details. **E.g. 6DH4-OL3** - This code translates as **6** x '**D**' cells **H**igh temp **4Ah** with **L**eads and configured using style **3**.

### Disposal of "Spent" NiCd batteries:

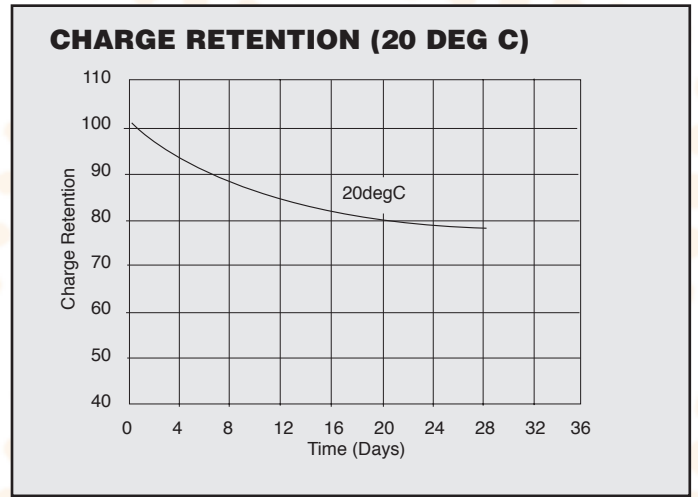
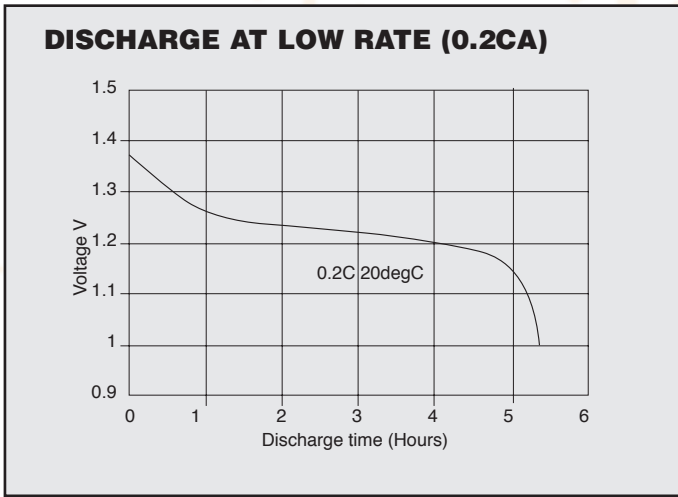
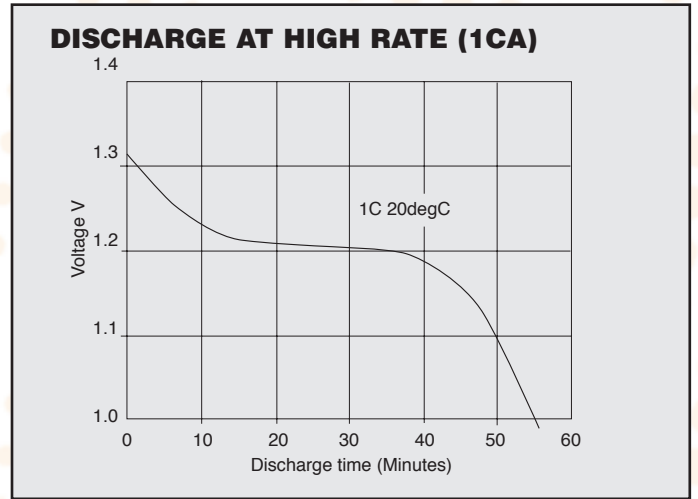
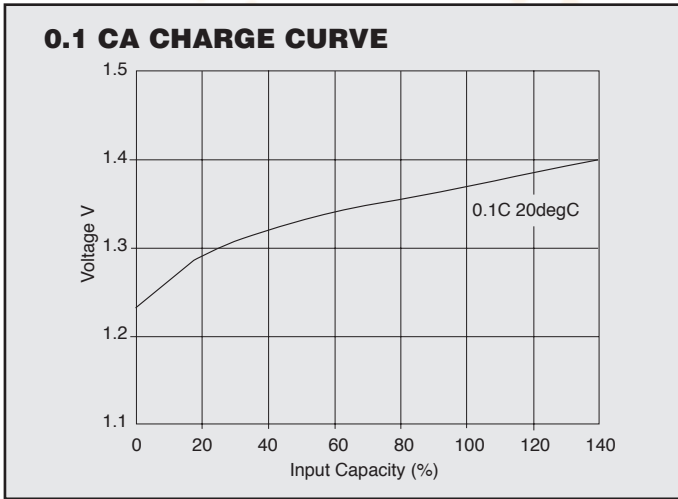
Please check the latest recommendations by contacting the technical helpdesk.

Tel: 08708 500314

Fax: 08708 500317

Email: [enquiries@yuasa-sales.co.uk](mailto:enquiries@yuasa-sales.co.uk)

# General Characteristic Graphs



## Charging

Trickle	0.05 CA	48 Hours - Constant
Standard	0.1 CA	14-16 Hours
Quick	0.3 CA	4 Hours

- Maximum Cell voltage should be considered to be 1.7 Volts.
- $-\Delta V$  termination should be set at 20-30 mV/cell.
- DT/dt termination should be 0.5°C/Minute.



### Yuasa Battery Sales (UK) Ltd

Unit 22 Rassau Industrial Estate  
 Ebbw Vale, Gwent, NP23 5SD  
 Tel: 08708 500312 Fax: 08708 500317  
 E-mail: enquiries@yuasa-sales.co.uk

Registered number 1548820

Cat. No. NiCdSF April 06

E&O.E.

Distributed by