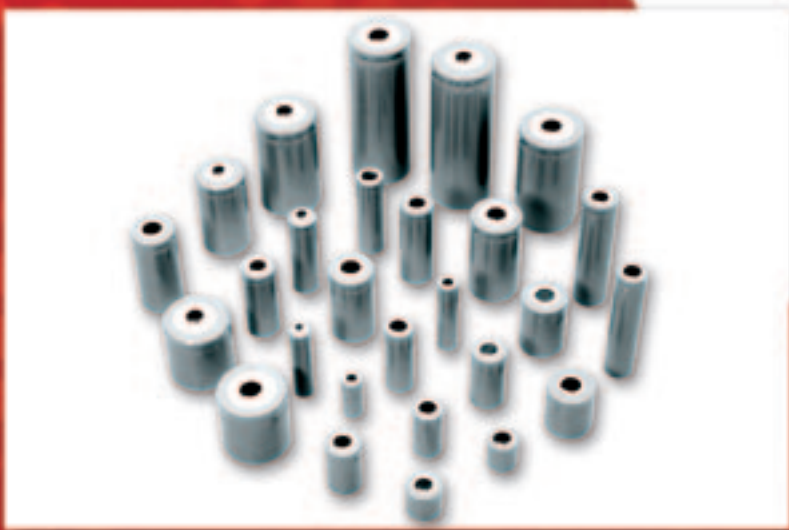




NiCd



Cylindrical Nickel Cadmium (NiCd)

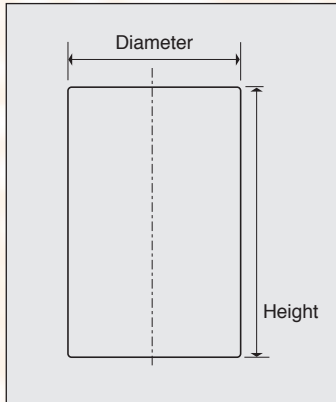
NiCd

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

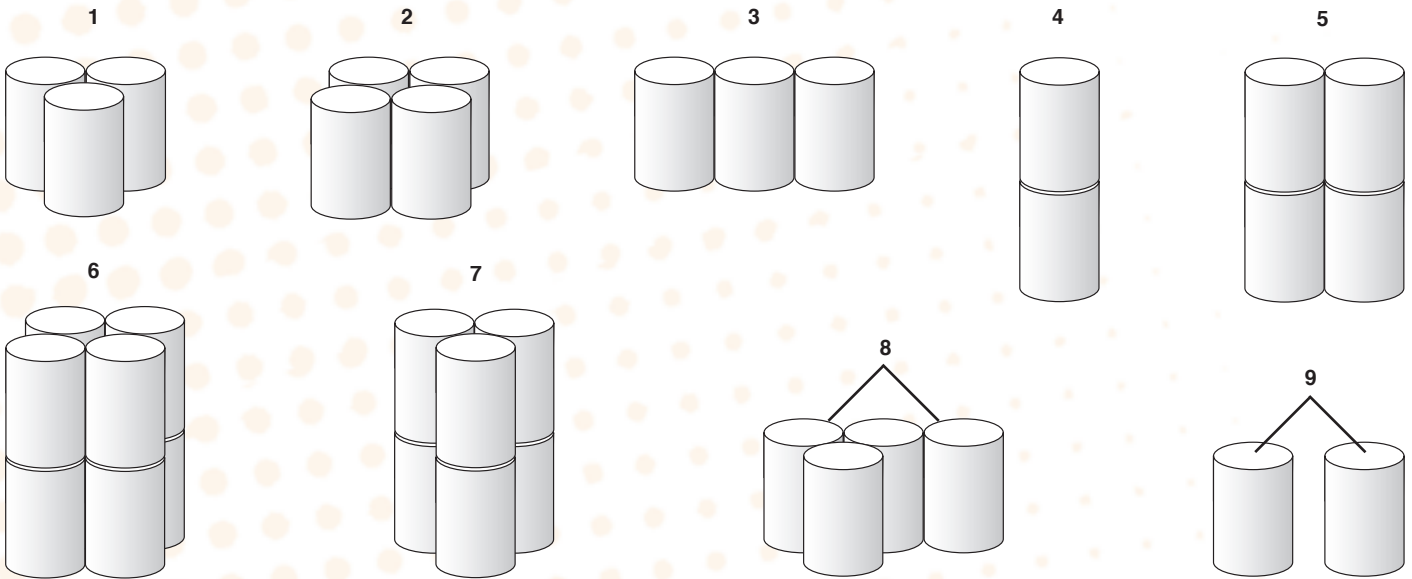
| Can Size | Capacities Available (mAh) |
|----------|----------------------------|
| D | 4000, 4400 |
| C | 2500 |
| Sub C | 1600, 1800 |

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:

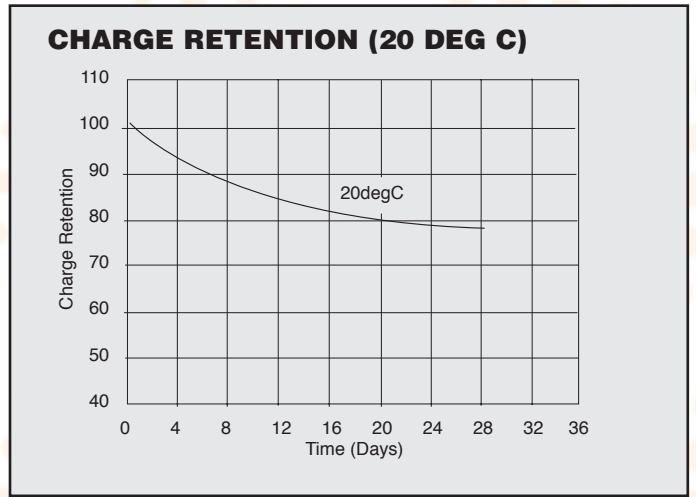
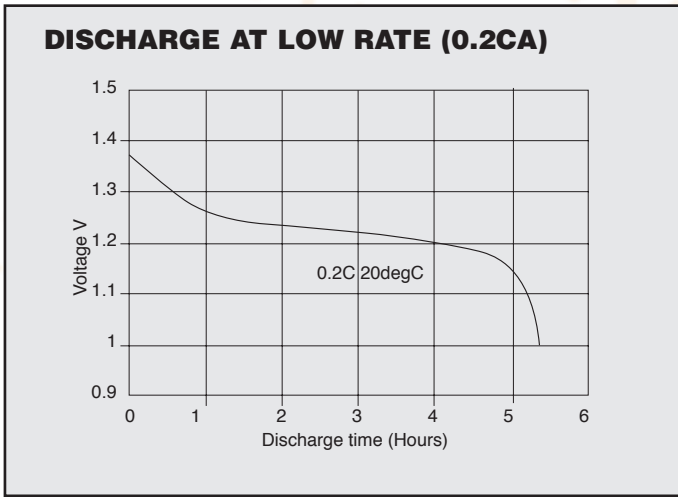
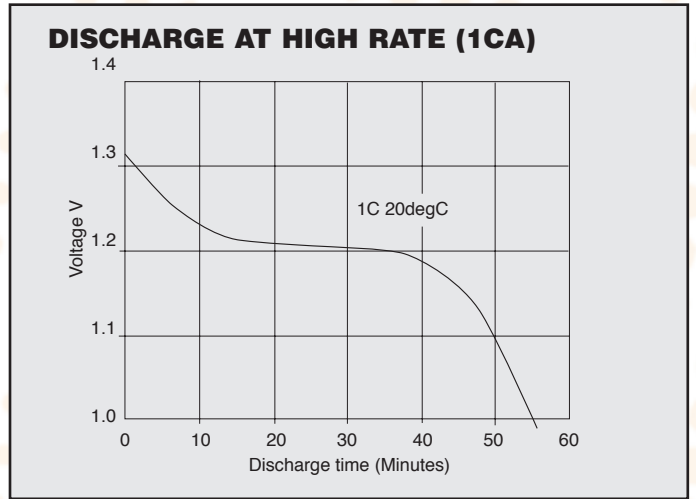
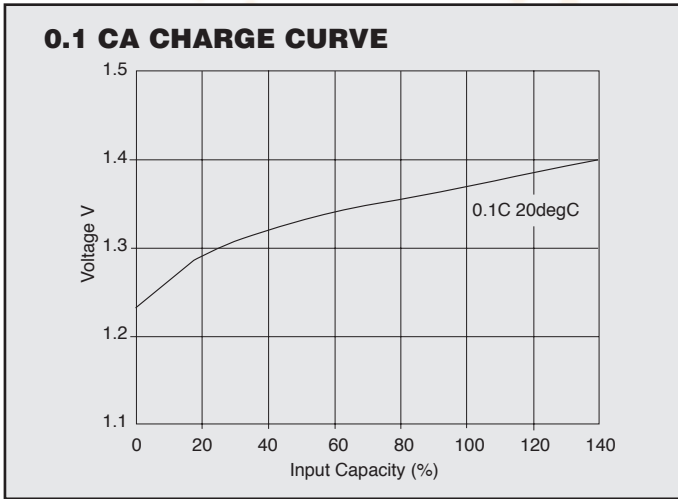
Please check the latest recommendations by contacting the technical helpdesk.

Tel: 08708 500314

Fax: 08708 500317

Email: enquiries@yuasa-sales.co.uk

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

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Registered number 1548820

Cat. No. NiCdSF April 06

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