



# Cyclon

The building blocs providing optimum reliability for customised and specialist battery applications

- Wide temperature operating range (-65°C to +80°C)
- Extremely low self-discharge rate providing up to 2 years shelf-life
- Pure lead design offers highest recharge efficiency
- Very high cycle life delivers up to 300 cycles (100% Depth of Discharge)
- Greatest high-rate power density, per unit weight
- Up to 10-year design life at 25°C\*
- Proven in-the-field technology and UL recognised components

\*C<sub>5</sub> rate, to 80% of rated capacity



## CYCLON® Battery Product Family (All capacities at 10 hr. rate 25°C to 1.67Vpc)

### CYCLON® Battery 2V Single Cell:

Products	Capacity	Internal res. of fully charged cell mΩ @ 25°C	Nominal short circuit current for charged cell	DIMENSIONS				
				Diameter mm	Height mm	Height with terminals mm	Weight g	Tabs mm
D cell	2.5Ah	5.0	400A	34.3	61.2	68.1	178.0	4.75x0.64
DT cell	4.5Ah	5.0	400A	34.3	96.0	102.9	274.4	4.75x0.64
X cell	5.0Ah	3.5	570A	44.5	72.9	81.5	362.0	6.35x0.64
E cell	8.0Ah	3.0	665A	44.5	100.1	108.7	489.9	6.35x0.64
J cell	12.0Ah	2.5	800A	51.8	123.2	135.6	839.2	7.92x0.81

### CYCLON® Battery 4V Monoblocs:

Products	Capacity	Internal res. of fully charged Monobloc mΩ @ 25°C	Nominal short circuit current for charged cell	DIMENSIONS				
				Diameter mm	Height mm	Height with terminals mm	Weight g	Tabs mm
D cell	2.5Ah	10.0	400A	79.5	46.0	69.9	.36	4.75x0.64
X cell	5.0Ah	7.0	570A	96.5	53.8	76.7	.74	6.35x0.64
E cell	8.0Ah	6.0	665A	96.8	54.1	101.6	.96	6.35x0.64

### CYCLON® Battery 6V Monoblocs:

Products	Capacity	Internal res. of fully charged Monobloc mΩ @ 25°C	Nominal short circuit current for charged cell	DIMENSIONS				
				Length mm	Width mm	Height mm	Weight k	Tabs mm
D cell	2.5Ah	15.0	400A	113.8	46.0	69.9	.52	4.75x0.64
X cell	5.0Ah	10.0	570A	139.2	53.8	76.7	.98	6.35x0.64
E cell	8.0Ah	8.0	665A	139.2	54.1	101.6	1.43	6.35x0.64

For the entire range of products available, please see the CYCLON® Selection Guide that is available at [www.enersys.com](http://www.enersys.com)

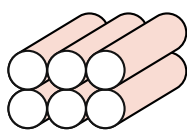
### Alternative battery configurations

Standard battery configurations are rectangular in overall shape.

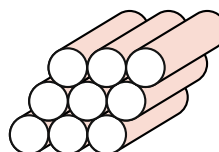
A sample of other possible configurations are illustrated.

These can be held together with tape (offering the lowest cost and minimum electrical and mechanical protection) or by shrink wrapping.

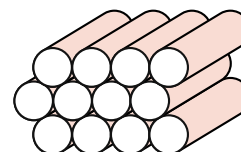
The CYCLON® battery Single Cell can be custom configured in virtually an infinite number of designs.



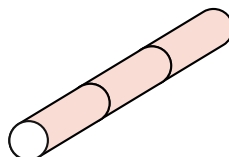
Rectangular



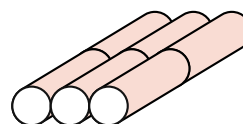
Rhomboid



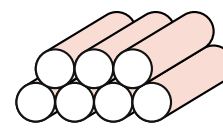
Nested



Tubular



Flat Pack



Trapezoid



[www.enersys.com](http://www.enersys.com)

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