



## CYCLON 4V/6V Monobloc performance specifications

### 4V & 6V Constant current discharge/amps to 1.67Vpc @ 25°C

Products	DURATION									
	5 min	10 min	15 min	30 min	60 min	90 min	5 hr	8 hr	10 hr	20 hr
D cell (2.5Ah)	14.3	8.1	5.9	3.4	1.9	1.4	.48	.32	.26	.13
X cell (5.0Ah)	28.9	18.1	13.5	7.1	4.0	2.8	1.0	.61	.52	.26
E cell (8.0Ah)	41.7	26.4	19.0	11.0	6.2	4.4	1.6	1.0	.81	.42

### 4V & 6V Constant power discharge/watts per cell to 1.67Vpc @ 25°C

Products	DURATION									
	5 min	10 min	15 min	30 min	60 min	90 min	5 hr	8 hr	10 hr	20 hr
D cell (2.5Ah)	25.3	15.9	11.7	6.8	3.8	2.7	.93	.60	.49	.25
X cell (5.0Ah)	48.8	32.3	24.2	13.8	7.8	5.6	2.0	1.2	1.0	.52
E cell (8.0Ah)	77.8	51.0	35.5	21.1	12.4	8.9	3.1	2.0	1.7	.85

### Charging/Temperature/Life

Products	CHARGING PER CELL		TEMPERATURE RANGE		LIFE EXPECTANCY	
	Cyclic	Float	Storage, discharge & charge	Safety pressure relief valve	C/5 Cycle life 100% DOD	Float life at 25°C (20°C)
4V D, X, & E Monobloc	CV 4.90-5.00 CC*	CV 4.54-4.70 CC*	-40°C to +40°C	8 psi	300	Up to 8 yrs (Up to 8 yrs)
6V D, X, & E Monobloc	CV 7.35-7.50 CC*	CV 6.81-7.05 CC*	-40°C to +40°C	8 psi	300	Up to 8 yrs (Up to 8 yrs)

**Maximum recommended storage time before recharge** - 24 months @ 25°C or 2.0Vpc, whichever is earlier

**Atmospheric pressure range** - Vacuum to 2 atmospheres

**Mounting** - Each Monobloc is equipped with mounting holes in the cover. The tightening torque for mounting the Monobloc is 25 in-lbs. When using 4 mounting bolts, small spacers (washers) 1 to 3 mm thick should be placed between the battery and the mounting surface to prevent bowing or stressing the battery case

\*Users planning to use CC should consult the EnerSys Application Support Department

**UL Recognized Component. Meets UL 1989**

Caution: Batteries contain toxic materials (Pb and H<sub>2</sub>SO<sub>4</sub>) • Avoid short circuit • Do not charge in gas-tight container  
Sealed-lead rechargeable battery must be recycled or disposed of properly. Contact EnerSys Customer Service for details.



## CYCLON 4V/6V Monobloc standard assemblies

### CYCLON 4 Volt Monoblocs

Product Number	Description	Length		Width		Height		Weight	
		in.	mm	in.	mm	in.	mm	lbs.	kg
0819-0010	4V, 2.5Ah Monobloc	3.13	79.5	1.81	46.0	2.75	69.9	.80	.36
0809-0010	4V, 5.0Ah Monobloc	3.80	96.5	2.12	53.8	3.02	76.7	1.62	.74
0859-0010	4V, 8.0Ah Monobloc	3.81	96.8	2.13	54.1	4.00	101.6	2.11	.96



### CYCLON 6 Volt Monoblocs

Product Number	Description	Length		Width		Height		Weight	
		in.	mm	in.	mm	in.	mm	lbs.	kg
0819-0012	6V, 2.5Ah Monobloc	4.48	113.8	1.81	46.0	2.75	69.9	1.15	.52
0809-0012	6V, 5.0Ah Monobloc	5.48	139.2	2.12	53.8	3.02	76.7	2.16	.98
0859-0012	6V, 8.0Ah Monobloc	5.48	139.2	2.13	54.1	4.00	101.6	3.15	1.43



### CYCLON 12 Volt 2x3 Monoblocs

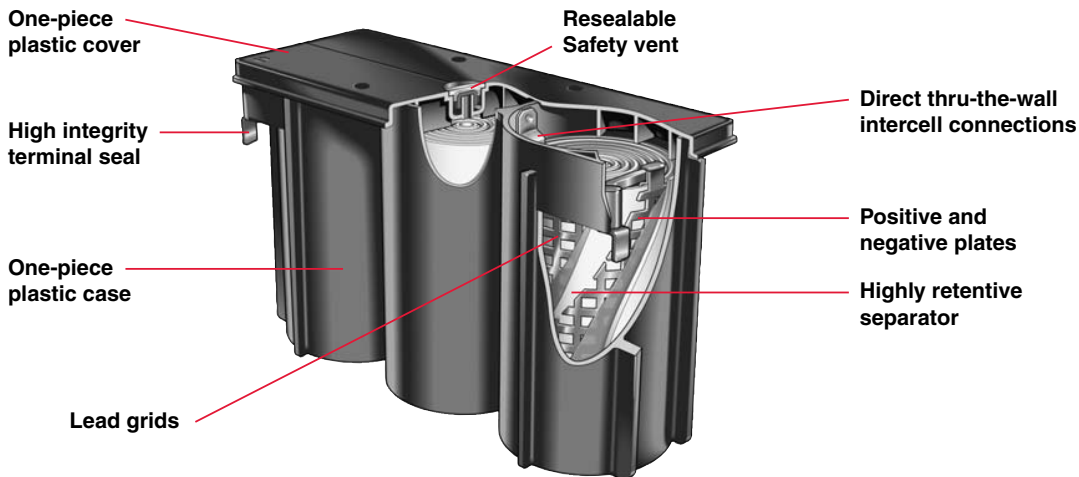
Product Number	Description	Length		Width		Height		Weight	
		in.	mm	in.	mm	in.	mm	lbs.	kg
0819-0020	12V, 2.5Ah, 2x3	4.48	113.8	3.52	89.4	2.77	70.4	2.30	1.04
0809-0020	12V, 5.0Ah, 2x3	5.48	139.2	4.18	106.2	3.04	77.2	4.32	1.96
0859-0020	12V, 8.0Ah, 2x3	5.48	139.2	4.18	106.2	4.02	102.1	6.30	2.86



### CYCLON 12 Volt 1x6 Monoblocs

Product Number	Description	Length		Width		Height		Weight	
		in.	mm	in.	mm	in.	mm	lbs.	kg
0819-0016	12V, 2.5Ah, 1x6	8.84	224.5	1.81	46.0	2.77	70.4	2.30	1.04
0809-0016	12V, 5.0Ah, 1x6	10.88	276.4	2.12	53.8	3.04	77.2	4.32	1.96
0859-0016	12V, 8.0Ah, 1x6	10.88	276.4	2.13	54.1	4.02	102.1	6.30	2.86

All dimensions, excluding weight, are maximum



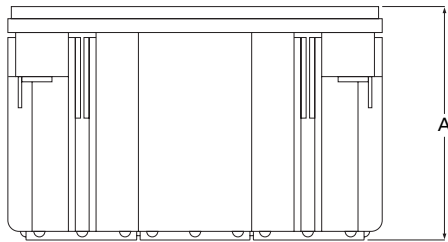
## CYCLON 4V Monobloc mechanical specifications (A, B & C - maximum)

Products	DIMENSIONS													
	A		B		C		D		E		Weight		Tabs	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb.	kg	in.	mm
D Monobloc	2.75	69.9	3.13	79.5	1.81	46.0	.61	15.5	1.23	31.2	.80	.36	.187x.025	4.75x0.64
X Monobloc	3.02	76.7	3.80	96.5	2.12	53.8	.73	18.5	1.45	36.8	1.62	.74	.250x.025	6.35x0.64
E Monobloc	4.00	101.6	3.81	96.8	2.13	54.1	.73	18.5	1.45	36.8	2.11	.96	.250x.025	6.35x0.64

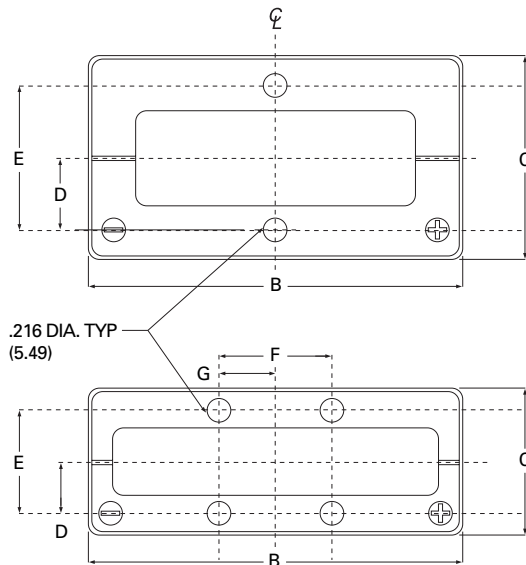
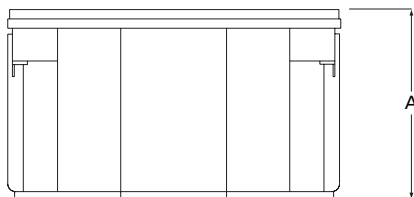
## CYCLON 6V Monobloc mechanical specifications (A, B & C - maximum)

Products	DIMENSIONS																	
	A		B		C		D		E		F		G		Weight		Tabs	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb.	kg	in.	mm
D Monobloc	2.75	69.9	4.48	113.8	1.81	46.0	.61	15.5	1.23	31.2	1.33	33.8	.67	17.0	1.15	.52	.187x.025	4.75x0.64
X Monobloc	3.02	76.7	5.48	139.2	2.12	53.8	.73	18.5	1.45	36.8	1.71	43.4	.86	21.8	2.12	.98	.250x.025	6.35x0.64
E Monobloc	4.00	101.6	5.48	139.2	2.13	54.1	.73	18.5	1.45	36.8	1.71	43.4	.86	21.8	3.15	1.43	.25x.025	6.35x0.64

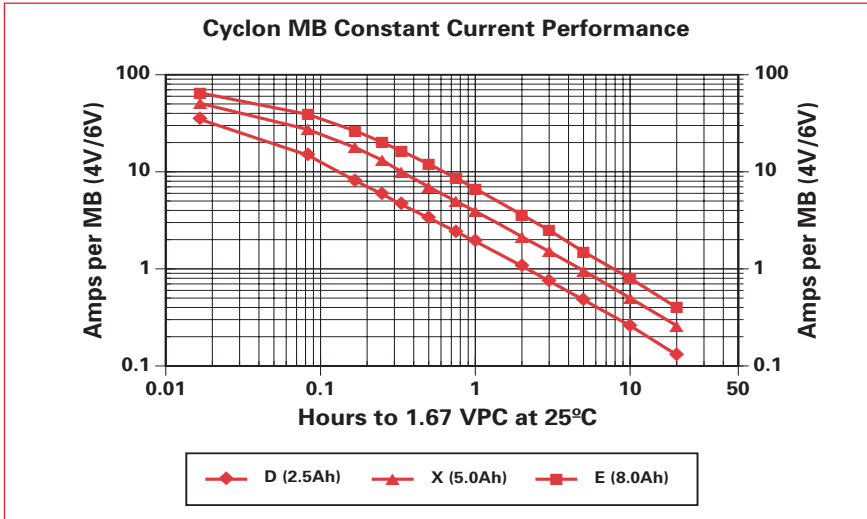
### D Monobloc



### X & E Monobloc



### 4V/6V Monobloc constant current (CC) curves to 1.67Vpc



### 4V/6V Monobloc constant power (CP) curves to 1.67Vpc

