

SINGLE CELL STANDARD BATTERY DESIGNS (continued)

PART NUMBER	DESCRIPTION	VOLTAGE	10 Hr RATE SPECIFICATIONS	PERFORMANCE SPECIFICATIONS	MECHANICAL
0800-0008	2x3 Xac, double slot, ABS case	12V	5.0Ah	Page 10	Page 11
0800-0047*	2x3 Xac, Styrene case, leads	12V	5.0Ah	Page 10	Page 11
0850-0108	1x8 Eac, double slot, shrink wrap	12V	8.0Ah	Page 10	Page 11
0850-0109	1x8 Eac, shrink wrap, leads	12V	8.0Ah	Page 10	Page 11
0850-0114	2x3 Eac, double slot, shrink wrap	12V	8.0Ah	Page 10	Page 11
0850-0115	2x3 Eac, shrink wrap, leads	12V	8.0Ah	Page 10	Page 11
0820-0030	2x3 BCac, double slot, copper strap	12V	25.0Ah	Page 12	Page 12

MONOBLOC (mb)

PART NUMBER	DESCRIPTION	VOLTAGE	10 Hr RATE	PERFORMANCE SPECIFICATIONS	MECHANICAL SPECIFICATIONS
0819-0010	D Monobloc (Dmb)	4V	2.5Ah	Page 15	Page 17
0809-0010	X Monobloc (Xmb)	4V	5.0Ah	Page 15	Page 17
0859-0010	E Monobloc (Emb)	4V	8.0Ah	Page 15	Page 17
0819-0012	D Monobloc (Dmb)	6V	2.5Ah	Page 15	Page 17
0809-0012	X Monobloc (Xmb)	6V	5.0Ah	Page 15	Page 17
0859-0012	E Monobloc (Emb)	6V	8.0Ah	Page 15	Page 17

MONOBLOC STANDARD BATTERY DESIGNS

PART NUMBER	DESCRIPTION	VOLTAGE	10 Hr RATE	PERFORMANCE SPECIFICATIONS	MECHANICAL SPECIFICATIONS
0819-0016	1x6 Dmb	12V	2.5Ah	Page 15	Page 16
0819-0030	2x3 Dmb	12V	2.5Ah	Page 15	Page 16
0809-0016	1x6 Xmb	12V	5.0Ah	Page 15	Page 16
0809-0030	2x3 Xmb	12V	5.0Ah	Page 15	Page 16
0859-0016	1x6 Emb	12V	8.0Ah	Page 15	Page 16
0859-0030	2x3 Emb	12V	8.0Ah	Page 15	Page 16

CAPACITY RATINGS BASED ON END OF DISCHARGE VOLTAGE OF 1.67 VOLTS/CELL AT 25°C

*Due to special assembly, consult the EnerSys® Customer Service Department for availability.



CYCLON® Battery 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 1969

Caution: Batteries contain toxic materials (Pb and H₂SO₄) • 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® Battery 4V Monobloc mechanical specifications (A, B & C - maximum)

Products	DIMENSIONS										Weight lb. kg		Tabs in. mm	
	A		B		C		D		E					
	in.	mm	in.	mm	in.	mm	in.	mm	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® Battery 6V Monobloc mechanical specifications (A, B & C - maximum)

Products	DIMENSIONS										Weight lb. kg	Tabs in. mm
	A	B	C	D	E	F	G					
	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

