

174-830



CYCLON® SINGLE CELL PERFORMANCE SPECIFICATIONS

Constant current discharge/amps to 1.67 vpc @ 25°C

Products	DURATION									
	5 min.	10 min.	15min.	30 min.	60 min.	90 min.	5 hr.	8 hr.	10 hr.	20 hr.
D cell (2.5Ah)	14.8	8.1	5.9	3.4	1.9	1.4	.48	.32	.26	.13
Tall D (4.5Ah)	25.2	15.0	11.2	6.6	3.7	2.6	.85	.55	.45	.24
X cell (5.0Ah)	27.3	17.8	13.2	7.0	3.9	2.8	.96	.61	.50	.26
E cell (8.0Ah)	41.7	26.4	19.0	11.0	6.2	4.4	1.6	1.0	.81	.42
J cell (12.5Ah)	51.7	38.1	29.4	18.0	9.2	6.5	2.3	1.5	1.25	.66

Constant power discharge/watts per cell to 1.67 vpc @ 25°C

Products	DURATION									
	5 min.	10 min.	15min.	30 min.	60 min.	90 min.	5 hr.	8 hr.	10 hr.	20 hr.
D cell (2.5Ah)	26.4	16.1	11.6	6.7	3.8	2.7	.94	.61	.50	.25
Tall D (4.5Ah)	45.0	28.1	21.0	12.5	7.1	5.1	1.7	1.1	.90	.46
X cell (5.0Ah)	45.4	31.9	23.9	13.9	7.8	5.6	1.9	1.2	1.0	.51
E cell (8.0Ah)	77.8	51.0	35.5	21.1	12.4	8.9	3.1	2.0	1.6	.85
J cell (12.5Ah)	90.4	68.4	53.4	31.6	18.3	13.2	4.7	3.0	2.5	1.3

Charging/Temperature/Life:

Products	CHARGING PER CELL		TEMPERATURE RANGE		LIFE EXPECTANCY	
	Cyclic	Float	Storage & discharge	Charge	C/5 Cycle life 100% DOD	Float life at 25°C (20°C)
D, Tall D, X, E & J cell	CV 2.45-2.50 CC*	CV 2.27-2.35 CC*	-65°C to +65°C	-40°C to +65°C	300	8+ years (10 years)

Maximum recommended storage time before recharge—24 months @ 25°C or 2.0vpc, whichever is earlier

Atmospheric pressure range—Vacuum to 8 atmospheres

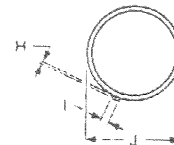
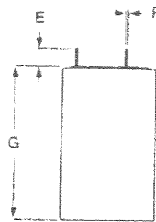
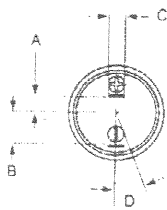
* Users planning to use CC should consult the Hawker Energy Products Inc. Application Support Department

UL Recognized Component. Meets UL 1989 and UL 1778

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 Hawker Energy Products Inc. Customer Service for details.

CYCLON[®] SELECTION GUIDE**CYCLON SINGLE CELL MECHANICAL SPECIFICATIONS**

Products	DIMENSIONS in. (mm)										Weight oz. (gm)
	A	B	C	D	E	F	G	H	I	J	
D cell	0.27 (6.9)	0.51 (13.0)	.187 (4.75)	22°	0.27 (6.9)	0.025 (0.64)	2.41 (61.2)	0.05 (1.3)	0.13 (3.3)	1.35 (34.3)	6.28 (178.0)
Tall D cell	0.27 (6.9)	0.51 (13.0)	.187 (4.75)	22°	0.27 (6.9)	0.025 (0.64)	3.78 (96.0)	0.05 (1.3)	0.13 (3.3)	1.35 (34.3)	9.60 (272.2)
X cell	0.29 (7.4)	0.61 (15.5)	0.250 (6.35)	22°	0.34 (8.6)	0.025 (0.64)	2.87 (72.9)	0.06 (1.5)	0.14 (3.6)	1.75 (44.5)	12.77 (362.0)
E cell	0.29 (7.4)	0.61 (15.5)	0.250 (6.35)	22°	0.34 (8.6)	0.025 (0.64)	3.94 (100.1)	0.06 (1.5)	0.14 (3.6)	1.75 (44.5)	19.40 (548.9)
J cell	0.32 (8.1)	0.74 (18.8)	0.312 (7.92)	22°	0.49 (12.4)	0.032 (0.81)	4.85 (123.2)	0.05 (1.3)	0.15 (3.8)	2.04 (51.8)	29.60 (839.2)



DIMENSIONS in. (mm)										
Products	A	B	C	D	E	F	G	H	I	Weight lb. (kg)
BC cell	0.65 (16.5)	1.30 (33.0)	22°	0.57 (14.5)	0.22 (5.6)	6.25 (158.8)	0.06 (1.5)	0.13 (3.3)	2.57 (65.3)	3.68 (1.67)

