

UCG 7.2 - 12

12V 7.2AH

DEEP CYCLE GEL

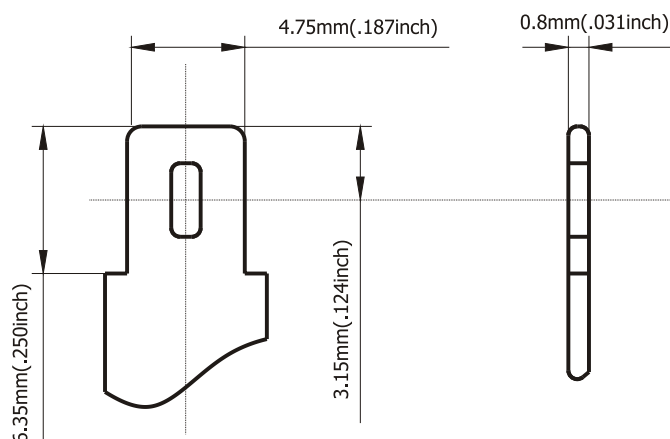
Ultracell®

'Quality in Every Language'

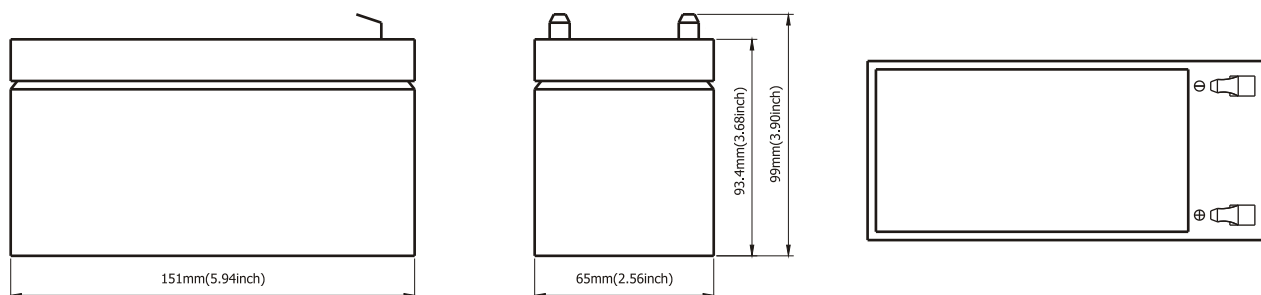
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Terminal Type



Dimensions



Specifications

Battery Model	UCG 7.2 - 12			
Designed Floating Life	10 Years			
Capacity (25°C)	20HR (A, 1.75V)	10HR (0.7A, 1.75V)	5HR (1.23A, 1.75V)	1HR (4.68A, 1.75V)
	7.2AH	7AH	6.15AH	4.68AH
Dimensions	Length	Width	Height	Total Height
	151mm	65mm	93.4mm	99mm
Approx. Weight	2.4Kg			
Internal Resistance	Fully Charged at 25°C 0.02 Ohm			
Self Discharge	3% of capacity declined per month at 25°C			
Capacity Affected by Temperature	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage (25°C)	Cycle Use		Float Use	
	14.4-15V (-30mV/C), max. Current: 2.1A		13.6-13.8V (-20mV/C)	

Construction

Component ——— Raw material
Positive ——— Lead dioxide
Negative ——— Lead
Container ——— ABS (Flame Retardent optional)
Cover ——— ABS (Flame Retardent optional)

Sealed and maintenance free option

Sealant ——— Epoxy Resin
Safety Valve ——— EPDR
Terminal ——— Copper
Separator ——— Fibre Glass
Electrolyte ——— Sulphuric acid and Gel

Non-spillable construction design



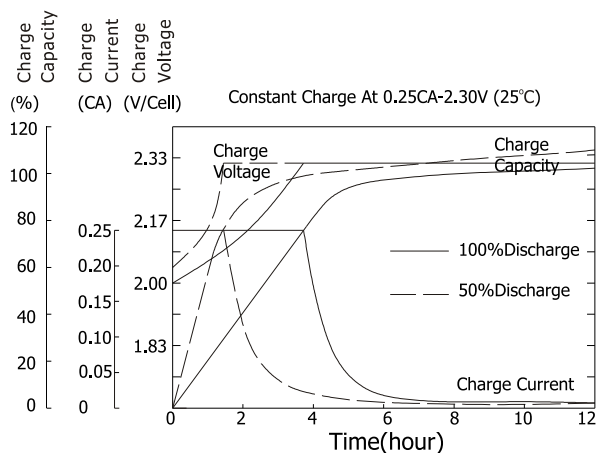
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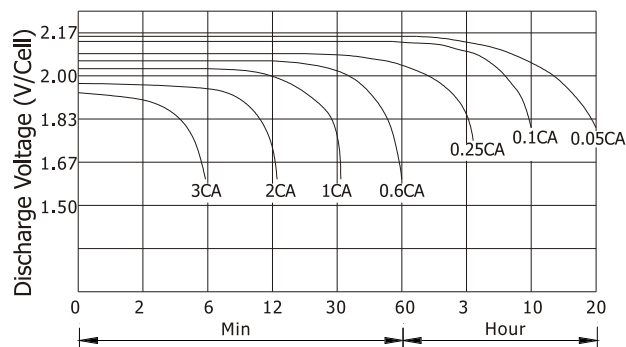
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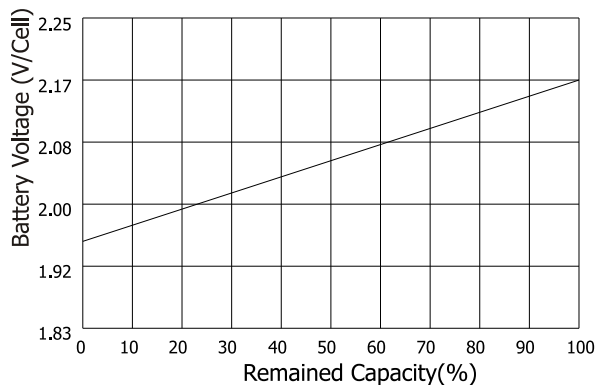
Charge Characteristic



Discharge Characteristic 25°C



Relationship of OCV and state of charge



Life Expectancy Cycle Use:

- 100% depth of discharge 350 cycles
- 80% depth of discharge 600 cycles
- 50% depth of discharge 900 cycles
- 30% depth of discharge 1500 cycles
- 20% depth of discharge 1700 cycles

Constant Current Discharge Ratings - amperes at 25°C

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60 V	28.1	17.5	13.2	8.05	5.12	2.25	1.37	0.77	0.40
1.67 V	26.4	16.6	12.7	7.70	5.05	2.16	1.34	0.76	0.39
1.70 V	24.2	16.0	12.4	7.00	4.90	2.02	1.32	0.76	0.38
1.75 V	23.7	15.5	12.0	6.65	4.67	1.95	1.29	0.75	0.37
1.80 V	21.2	14.8	10.9	6.16	4.37	1.87	1.21	0.74	0.36
1.85 V	18.7	14.1	9.8	5.67	4.07	1.80	1.13	0.73	0.35

Constant Power Discharge Ratings - watts at 25°C

F.V / Time	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60 V	49.3	31.6	24.1	14.5	9.24	3.98	2.32	1.54	0.81
1.67 V	47.6	30.8	23.8	14.2	9.18	3.86	2.31	1.53	0.78
1.70 V	44.8	30.52	23.6	13.3	9.00	3.69	2.28	1.52	0.77
1.75 V	45.1	30.4	23.4	12.9	8.85	3.60	2.26	1.50	0.75
1.80 V	41.3	30.0	21.7	12.3	8.34	3.49	2.19	1.48	0.73
1.85 V	37.4	28.4	19.7	11.5	7.84	3.39	2.12	1.46	0.70



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