

UL 12 - 6

6V 12AH

STANDBY

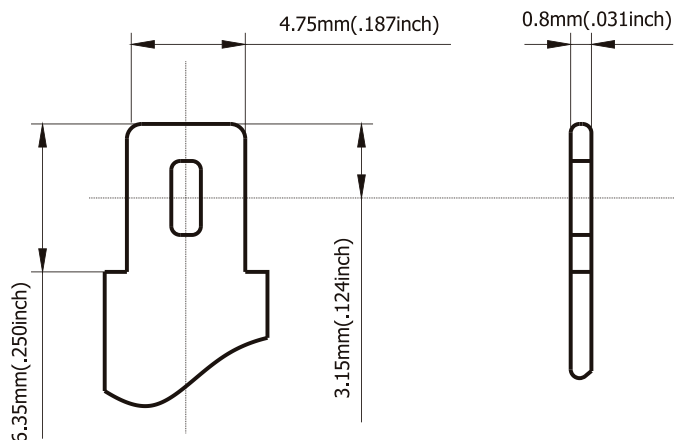
Ultracell®

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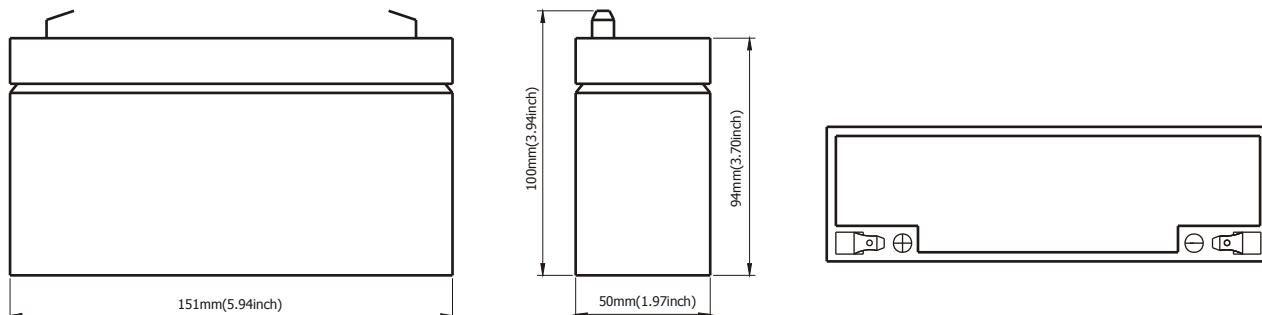
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Terminal Type



Dimensions



Specifications

Battery Model	UL 12 - 6			
Designed Floating Life	5 Years			
Capacity (25°C)	20HR (0.6A, 1.75V)	10HR (1.14A, 1.75V)	5HR (2.04A, 1.75V)	1HR (7.2A, 1.55V)
	12AH	11.4AH	10.2AH	7.2AH
Dimensions	Length	Width	Height	Total Height
	151mm	50mm	94mm	100mm
Approx. Weight	1.85Kg			
Internal Resistance	Fully Charged at 25°C 0.010 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	
	7.2 - 7.5V (-12mV/C), max. Current: 3.6A		6.75 - 6.9V (-9mV/C)	

Construction

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

Sealed and maintenance free option

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

Non-spillable construction design

UL 12 - 6

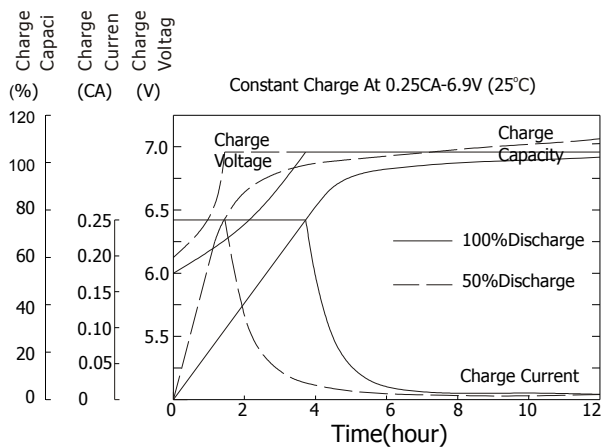
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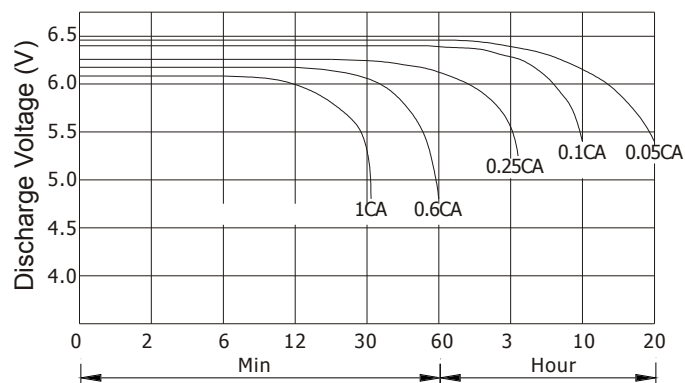
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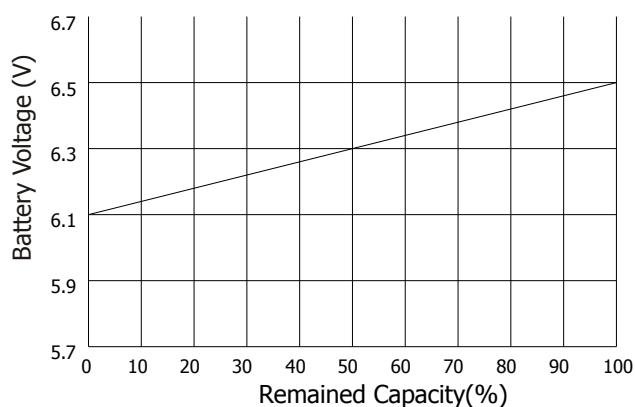
Charge Characteristic



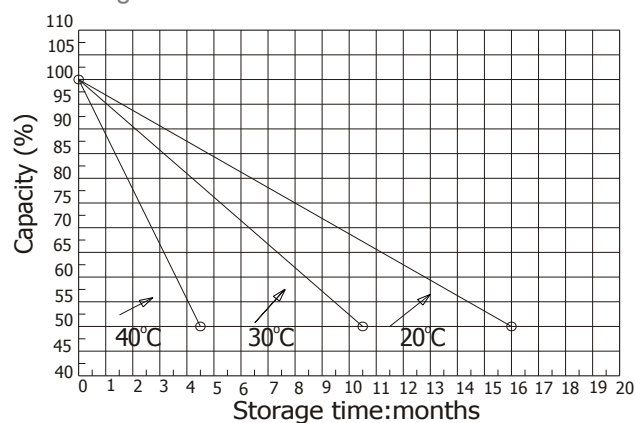
Discharge Characteristic 25°C



Relationship of OCV and state of charge



Self Discharge Characteristics



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	46.9	29.3	22.0	13.4	7.20	3.74	2.29	1.27	0.66
1.67 V	44.1	27.6	21.3	12.8	7.18	3.58	2.25	1.25	0.64
1.70 V	40.5	26.7	20.7	11.7	7.02	3.00	2.18	1.20	0.63
1.75 V	39.7	25.8	20.0	11.3	6.88	3.26	2.04	1.14	0.60
1.80 V	35.5	24.9	18.4	10.4	6.70	3.15	2.02	1.13	0.59
1.85 V	31.3	23.9	16.5	9.47	6.62	3.08	1.99	1.12	0.58

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	96.0	62.5	48.0	27.6	15.6	6.08	4.13	2.30	1.22
1.67 V	92.6	61.2	47.1	27.4	15.5	6.04	4.12	2.30	1.21
1.70 V	89.0	59.8	46.0	27.0	15.3	6.01	4.10	2.29	1.21
1.75 V	83.8	57.7	44.7	26.4	15.0	6.00	4.08	2.28	1.20
1.80 V	72.4	53.3	42.7	25.4	14.6	5.83	4.06	2.25	1.20
1.85 V	62.4	52.2	41.0	23.6	13.7	5.67	4.00	2.25	1.19