

UL 2.8 - 12

12V 2.8AH

STANDBY

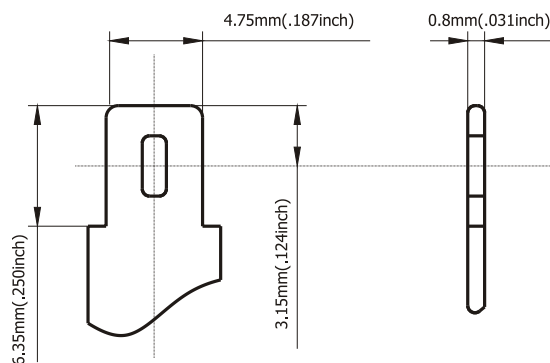
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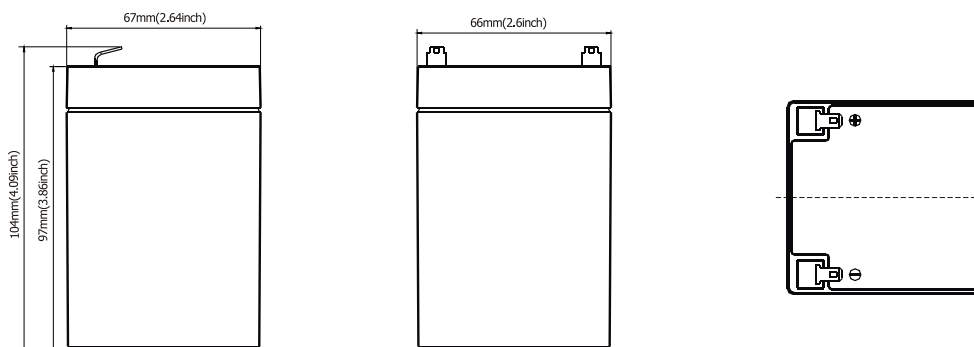
Image



Terminal Type



Dimensions



Specifications

Battery Model	UL 2.8 - 12			
Designed Floating Life	5 Years			
Capacity (25°C)	20HR (0.14A, 1.75V)	10HR (0.266A, 1.75V)	5HR (0.476A, 1.75V)	1HR (1.68A, 1.55V)
	2.8AH	2.66AH	2.38AH	168AH
Dimensions	Length	Width	Height	Total Height
	67mm	66mm	97mm	104mm
Approx. Weight	1.15Kg			
Internal Resistance	Fully Charged at 25°C 0.035 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	
	14.0-15.0V (-24mV/C), max. Current: 0.84A		13.6-13.8V (-18mV/C)	

Construction

Component	Raw material	Sealant	Epoxy Resin
Positive	Lead dioxide	Safety Valve	EPDR
Negative	Lead	Terminal	Copper
Container	ABS (Flame Retardant optional)	Separator	Fibre Glass
Cover	ABS (Flame Retardant optional)	Electrolyte	Sulphuric acid
<i>Sealed and maintenance free option</i>		<i>Non-spillable construction design</i>	

UL 2.8 - 12

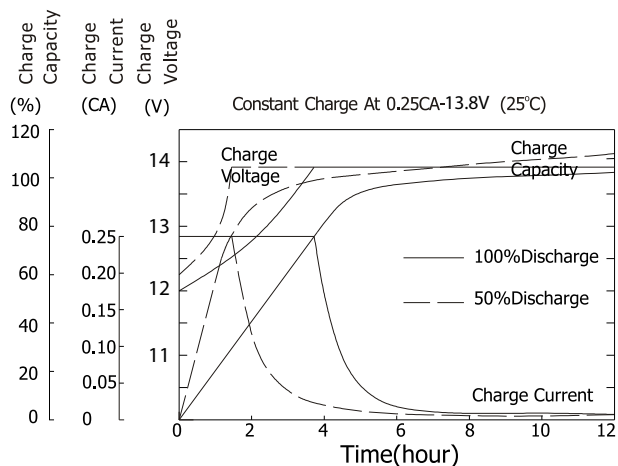
12V 2.8AH

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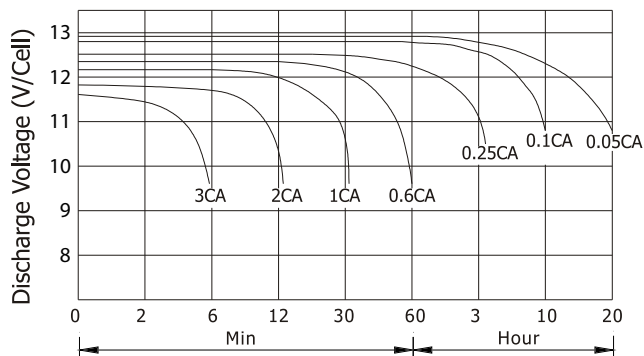
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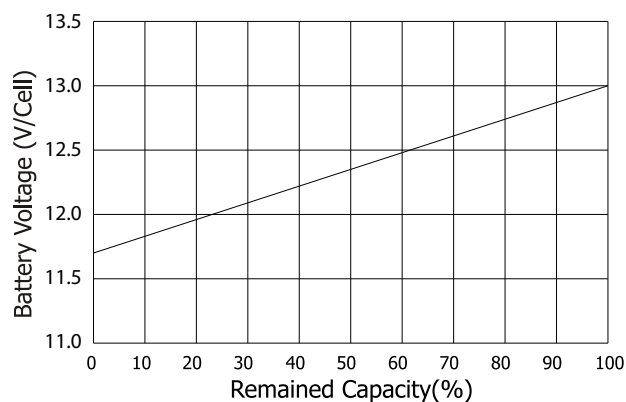
Charge Characteristic



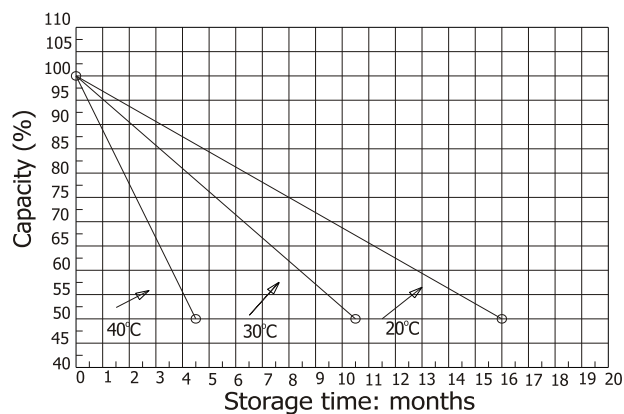
Discharge Characteristic 25°C



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	8.85	5.62	4.29	2.72	1.68	0.80	0.51	2.68	0.16
1.67 V	8.34	5.44	4.14	2.61	1.66	0.75	0.50	2.68	0.15
1.70 V	7.66	5.17	4.07	2.42	1.65	0.70	0.49	2.67	0.15
1.75 V	7.53	5.01	3.94	2.32	1.62	0.67	0.48	2.67	0.14
1.80 V	6.77	4.80	3.62	2.15	1.59	0.65	0.48	2.66	0.14
1.85 V	6.02	4.60	3.29	2.02	1.57	0.63	0.47	2.65	0.14

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	20.2	14.00	10.6	6.44	3.36	1.43	0.97	0.54	0.28
1.67 V	19.6	13.72	10.4	6.39	3.33	1.42	0.96	0.54	0.28
1.70 V	19.0	13.44	10.1	6.30	3.30	1.40	0.96	0.53	0.28
1.75 V	18.2	13.00	9.80	6.46	3.28	1.37	0.95	0.53	0.28
1.80 V	17.4	12.32	9.24	5.88	3.22	1.33	0.93	0.52	0.27
1.85 V	16.3	11.67	8.68	5.62	1.78	1.30	0.92	0.52	0.27