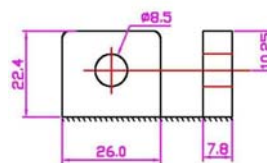


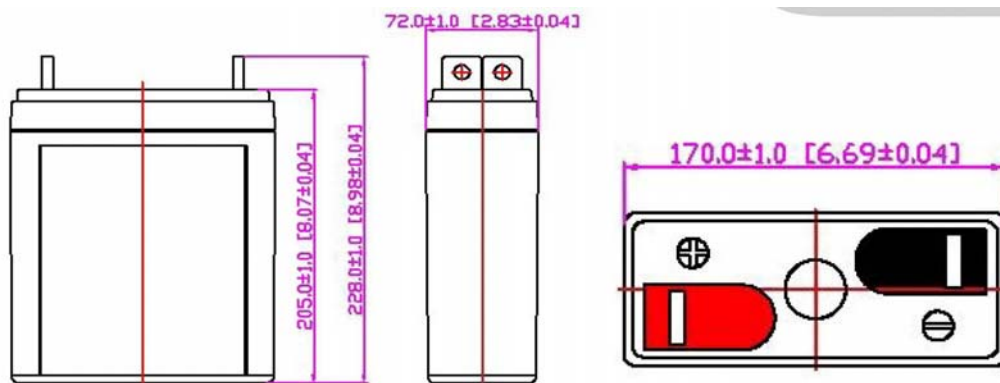
Image

NOT AVAILABLE

Terminal Type



Dimensions



Specifications

Battery model	<b>HL2-100</b>			
Nominal voltage	2V			
Designed Floating Life	Up to 15 years			
Cycle use	1. Up to 260 cycles at 100% DOD		2. Up to 1200 cycles at 30% DOD	
Capacity (25°C)	10hr (10.0A, 10.8V)	5hr (16.66A, 10.8V)	3hr (24.6A, 10.8V)	1hr (52.6A, 10.8V)
	100.0Ah	83.3Ah	73.8Ah	52.6Ah
Dimensions (approx.)	Length	Width	Height	Total Height
	170mm (6.69inch)	72mm (2.83inch)	205mm (8.07inch)	228mm (8.98inch)
Approx. Weight	5.90Kg ±5% (13.01lbs)			
Internal Resistance (approx.)	Full charged at 25°C: ≤ 2.0mΩ			
Self Discharge	2% 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	
	2.30-2.40V (-3.3mV/°C) , max. current: 25.0A		2.20-2.25V (-3.3mV/°C)	

**HL series**

**HL Series Valve Regulated Lead Acid batteries are designed with AGM (Absorbent Glass Mat) technology, high performance plates and electrolyte to gain extra power output for common power backup system applications.**

**Application**

<b>Telecommunications</b>	<b>Communication power supply</b>	<b>Cable Television</b>
<b>UPS</b>	<b>Electric Power System (EPS)</b>	<b>Backup power supply</b>
<b>Control Equipment</b>	<b>Power Plant</b>	<b>DC power supply</b>
<b>Security system</b>	<b>Medical Equipment</b>	<b>Auto control system</b>

**Construction**

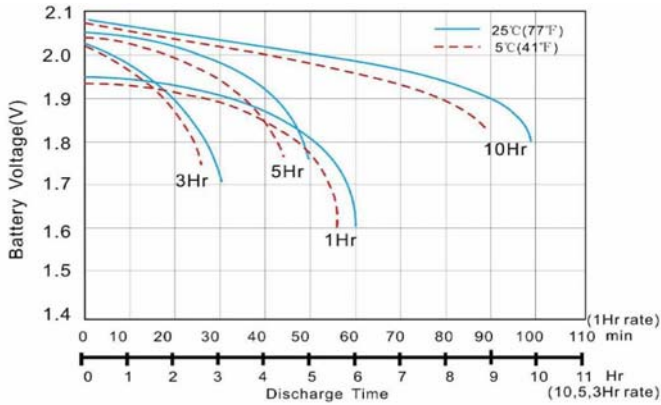
<b>Component:</b>	<b>Raw material</b>	<b>Sealant:</b>	<b>Epoxy Resin</b>
<b>Positive:</b>	<b>Lead dioxide</b>	<b>Safety Valve:</b>	<b>EPDR (Rubber)</b>
<b>Negative:</b>	<b>Lead</b>	<b>Terminal:</b>	<b>Copper</b>
<b>Container:</b>	<b>ABS (UL94HB) (FR-UL94V0 optional)</b>	<b>Separator:</b>	<b>Fibre Glass</b>
<b>Cover:</b>	<b>ABS (UL94HB) (FR-UL94V0 optional)</b>	<b>Electrolyte:</b>	<b>Sulphuric acid</b>

*Sealed and maintenance free    Non-spillable construction design    Low self discharge characteristic  
Unique grid alloy formula and updated manufacturing technique*

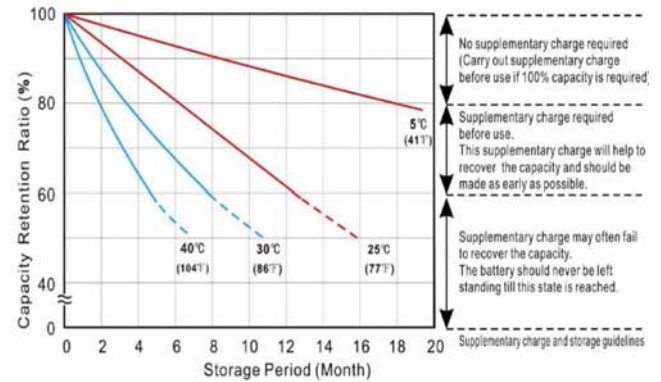


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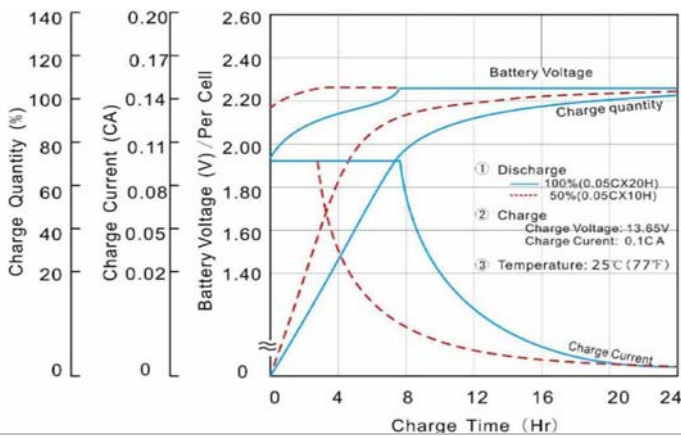
Terminal Voltage (V) and Discharge Time



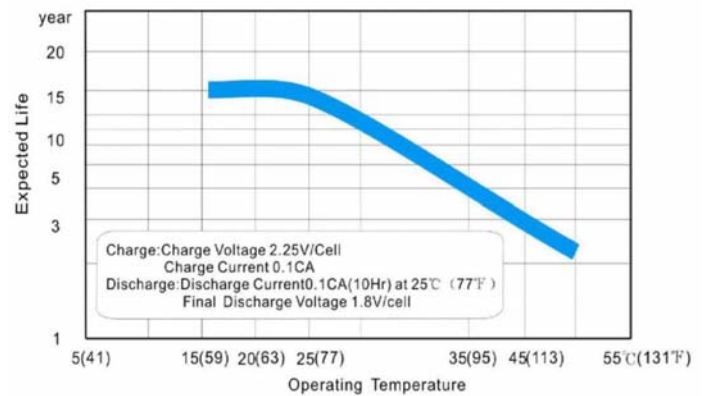
Capacity Retention Characteristic



Battery Voltage and Charge Time for Standby Use



Trickle (or Float) Service Life



Constant Current Discharge Ratings per monoblock – Amperes at 25°C (77°F)

F.V / Time	10min.	15min	30min	1h	3h	5h	8h	10h	20h
1.67V/c	291.46	186.21	90.78	58.51	25.67	17.34	12.42	10.41	5.33
1.70V/c	264.74	171.64	83.67	55.42	25.40	17.16	12.29	10.30	5.27
1.75V/c	242.88	161.92	78.94	53.29	24.96	16.86	12.07	10.12	5.18
1.80V/c	240.00	160.00	78.00	52.66	24.66	16.66	11.93	10.00	5.12
1.85V/c	233.94	155.96	76.03	51.33	24.04	16.24	11.63	9.75	4.99

Constant Current Discharge Ratings per cell – Watts/cell at 25°C (77°F)

F.V / Time	10min	15min	30min	1h	3h	5h	8h	10h	20h
1.67V/c	568.3	363.1	177.0	114.1	50.1	33.8	24.2	20.3	10.4
1.70V/c	516.2	334.7	163.2	108.1	49.5	33.5	24.0	20.1	10.3
1.75V/c	473.6	315.7	153.9	103.9	48.7	32.9	23.5	19.7	10.1
1.80V/c	468.0	312.0	152.1	102.7	48.1	32.5	23.3	19.5	10.0
1.85V/c	456.2	304.1	148.3	100.1	46.9	31.7	22.7	19.0	9.7



Ratings and features presented herein are subject to revision without notice



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