



**HRL series**

**HRL 634W 6V 34W**



**Valve Regulated Lead Acid Battery**

Maintenance-Free Sealed Lead Acid Battery.  
Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

**Design for Standby Power Applications**

**【Design Life】**

Up to 8 Years in Standby Service at 25°C  
Eurobat (20°C) : 6-9 years, General Purpose

**【Operating Temperature Range】**

Nominal Operating Temperature : 25°C (77°F)  
Discharge : -15°C ~ 50°C (5°F~122°F)  
Charge: -15°C ~ 40°C (5°F~104°F)  
Storage: -15°C ~ 40°C (5°F~104°F)

**【Float Charging Voltage】**

6.75 ~ 6.90 VDC/Unit at 25°C (77°F)

**【Equalization Charging Voltage】**

7.2 ~ 7.5 VDC/Unit at 25°C (77°F)

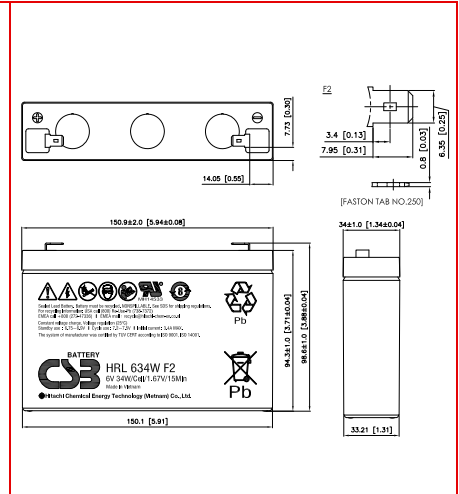
**【Self Discharge】**

Less than 10% after 90 days, can be stored up to 6 months at 25°C (77°F);  
Fully recharging is required before usage, and charged sooner if stored at higher temperature than 25°C (77°F).

**Specification**

Design according with IEC 61056-1/2:2012

Nominal Voltage	6V (3 cells per unit)	
Nominal Capacity	34W @15min-rate to 1.67V per cell @25°C (77°F)	
Weight	Approx. 1.32 Kg (2.91 lbs)	
Maximum Discharge Current	130A (5sec)	
Internal Resistance	Approx. 8.30 mΩ	
Short Circuit Current	380A	
Maximum Charge Current	3.4A	
Terminal types	F2 terminal -Faston Tab 250	
Terminal hardware Torque	--	
Container Material	ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request	
Dimensions	Length (L)	150.9±2.0 mm 5.94±0.08 inch
	Width (W)	34.0±1.0 mm 1.34±0.04 inch
	Container Height (h)	94.3±1.0 mm 3.71±0.04 inch
	Overall Height (H)	98.6±1.5 mm 3.88±0.06 inch



**Constant Current Discharge Characteristics Unit: A (25°C, 77°F)**

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	60.4	47.4	41.7	37.6	30.9	26.6	18.7	14.4	10.3	7.39	5.84	4.66
1.67V	56.5	44.4	39.2	35.4	29.3	25.2	18.6	14.3	10.2	7.33	5.80	4.63
1.70V	54.9	43.1	37.9	34.2	28.6	24.6	18.5	14.2	10.1	7.29	5.78	4.62
1.75V	51.9	40.7	35.8	32.3	27.0	23.8	18.3	14.1	10.0	7.23	5.74	4.57
1.80V	48.9	37.9	33.7	30.6	25.8	23.0	18.1	13.9	9.94	7.17	5.69	4.52
1.85V	45.4	35.1	31.4	28.6	24.6	22.0	17.9	13.8	9.84	7.11	5.65	4.47

**Constant Power Discharge Characteristics Unit: W (25°C, 77°F)**

F.V/Time	2MIN	4MIN	5MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	45MIN	60MIN	90MIN
1.60V	327	260	231	209	175	150	110	84.0	60.7	43.7	34.6	27.7
1.67V	312	246	218	197	167	143	109	82.6	60.3	43.5	34.5	27.6
1.70V	305	240	212	192	163	140	108	82.0	59.7	43.2	34.4	27.5
1.75V	292	228	202	183	155	135	104	81.0	59.3	43.0	34.2	27.3
1.80V	278	215	191	173	147	129	100	80.0	58.9	42.6	33.9	27.1
1.85V	265	203	181	164	139	123	96.0	79.0	58.1	42.2	33.7	26.9

Please refer to the official site for the latest rating confirmation. URL: [www.csb-battery.com](http://www.csb-battery.com)

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Recognized under UL 1989,  
and certified by ISO 9001, 14001.

