



HRL series HRL 1250W



Valve Regulated Lead Acid Battery

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

General Design for Standby Power Applications

【Design Life】

Up to 8 Years in Standby Service at 25°C
Eurobat (20°C) : 10/12 YEARS LONG LIFE

【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】

13.5 ~ 13.8 VDC/Unit at 25°C (77°F)

【Equalization Charging Voltage】

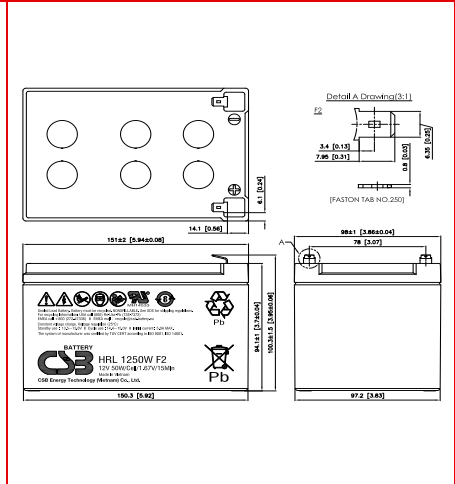
14.4 ~ 15.0 VDC/Unit at 25°C (77°F)

【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	12V (6 cells per unit)	
Nominal Capacity	50W @15min-rate to 1.67V per cell @25°C (77°F)	
Weight	Approx. 3.90 Kg (8.60 lbs)	
Maximum Discharge Current	130A (5sec)	
Internal Resistance	Approx. 15.0 mΩ	
Short Circuit Current	--	
Maximum Charge Current	5.0 A	
Terminal types	F2 terminal -Faston Tab 250	
Terminal tightening torque	--	
Container Material	ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request	
Dimensions	Length (L)	151.0±2.0 mm 5.94±0.08 inch
	Width (W)	98.0±1.0 mm 3.00±0.08 inch
	Container Height (h)	94.1±1.0 mm 3.70±0.04 inch
	Overall Height (H)	100.3±1.5 mm 3.95±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	99.4	69.2	60.6	53.8	44.1	37.5	27.6	22.0	15.9	11.4	9.04	6.49
1.67V	89.5	65.0	57.6	51.7	42.8	36.7	27.2	21.7	15.8	11.3	8.96	6.43
1.70V	85.1	62.8	55.8	50.4	41.9	36.1	26.9	21.5	15.7	11.2	8.92	6.41
1.75V	75.3	58.1	52.1	47.4	39.9	34.6	26.2	21.0	15.4	11.1	8.80	6.34
1.80V	65.9	52.2	47.5	43.1	37.1	32.2	24.9	20.1	14.9	10.8	8.59	6.22
1.85V	55.7	45.4	41.3	38.2	32.9	29.0	22.7	18.6	14.0	10.2	8.15	5.94

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	979	727	636	569	475	410	309	247	181	132	105	76.0
1.67V	911	691	612	552	465	403	306	246	180	131	104	75.7
1.70V	879	669	597	540	458	397	303	244	179	130	103	75.5
1.75V	805	626	564	513	441	384	297	239	177	129	102	75.0
1.80V	731	574	518	477	412	362	284	230	172	126	101	73.8
1.85V	617	503	464	432	372	331	261	214	162	119	96.3	71.0

Please refer to the official site for the latest rating confirmation. URL: www.csb-battery.com

Issued: 200930

Sales Offices

希世比能源科技股份有限公司
CSB Energy Technology Co., Ltd.

BUSINESS HEADQUARTERS

Tel: +886-2-2880-5600
Fax: +886-2-2888-3300

USA OFFICE

Tel: +1-817-244-7777 / 1-(800)3-CSB-USA (272872)
Fax: +1-817-244-4445

SHENZHEN OFFICE (CHINA)

Tel: +86-755-8831-6488/6775/6075
Fax: +86-755-8831-6548

EUROPE (EMEA) OFFICE

Tel: +31(0)180-418-140
Fax: +31(0)180-418-327

SHANGHAI OFFICE (CHINA)

Tel: +86-21-5046-1622/0833/0094
Fax: +86-21-5046-1046

Recognized under UL 1989,
and certified by ISO 9001, 14001, 45001, 50001.



TAIPEI OFFICE

Tel: +886-2-2880-5600
Fax: +866-2-2888-3300

BEIJING OFFICE (CHINA)

Tel: +86-10-6597-8065/8165/8265
Fax: +86-10-6597-8565