

HR 1251W F2

12V 51W

HR 1251W F2 is specially designed for high efficient discharge application. Its characteristics are small volume, light weight and hight discharge efficiency. It can be used for more than 260 cycles at 100% discharge in cycle service, or three to five years in standby service.



Specification

6					
12					
51W @ 15minute-rate to 1.67V per cell @25 °C (77°F)					
Approx. 4.20kg(9.26 lbs)					
180A(5sec)					
Approx. 16m Ω					
Discharge: -20°C ~50°C (-4°F~122°F)					
Charge: 0°C~40°C (32°F~104°F)					
Storage: -20°C ~40°C (-4°F ~104°F)					
25°C±3°C(77°F±5°F)					
13.5 to 13.8 VDC/unit Average at 25°C (77°F)					
5.1A					
14.4 to 15.0 VDC/unit Average at 25°C (77°F)					
CSB Batteries can be stored for more than 6 months at					
25°C (77°F). Please charge batteries before using. For					
higher temperatures the time interval will be shorter.					
Faston Tab 187/250					
-ABS (UL94-HB)*Flammability resistance of UL94-V2					
can be available upon request.					
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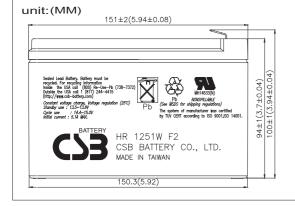


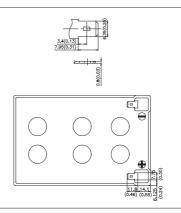


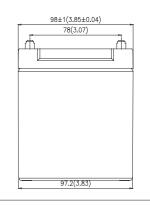


CSB-manufactured batteries are UL-recognized components under UL924 as well as ISO 9001 and ISO 14001 certified.

Dimensions







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

F.V/Time	2MIN	4MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	85.8	64.0	49.9	42.6	36.8	27.1	21.4	15.4	8.33	6.65
1.67V	82.8	62.0	48.2	41.8	36.0	26.8	20.8	15.4	8.30	6.62
1.70V	81.5	61.1	47.5	41.5	35.7	26.8	20.6	15.3	8.28	6.60
1.75V	77.2	57.9	45.9	39.9	33.9	25.8	20.3	15.1	8.24	6.52
1.80V	72.9	54.8	44.3	38.3	32.2	24.8	19.9	14.9	8.20	6.44
1.85V	68.6	51.6	42.7	36.7	30.4	23.9	19.6	14.7	8.16	6.36

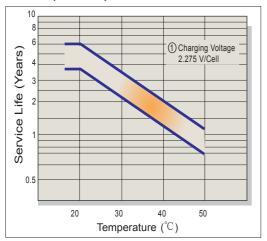
Constant Power Discharge Characteristics Unit:W (25°C,77°F)

F.V/Time	2MIN	4MIN	6MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	1030	768	599	511	441	325	257	185	100	79.8
1.67V	994	744	579	502	432	322	250	184	99.6	79.4
1.70V	978	733	570	498	428	321	247	184	99.4	79.2
1.75V	927	695	551	479	407	310	243	182	98.9	78.3
1.80V	875	657	532	460	386	298	239	179	98.4	77.3
1.85V	824	619	513	441	365	287	235	177	97.9	76.4

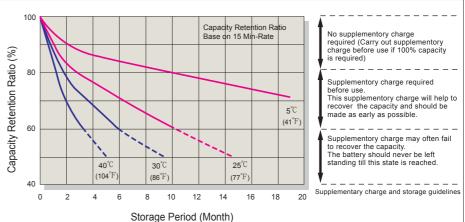
- All mentioned values are average values.
- Low rate discharge mode (over 90 mins.) is not recommended.



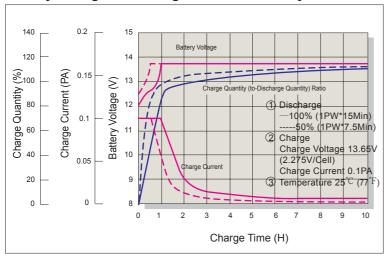
Trickle (or Float) Service Life



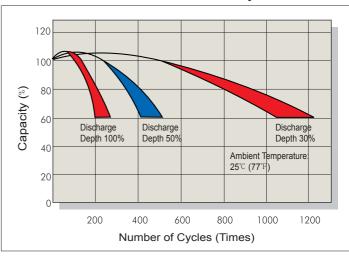
Capacity Retention Characteristic



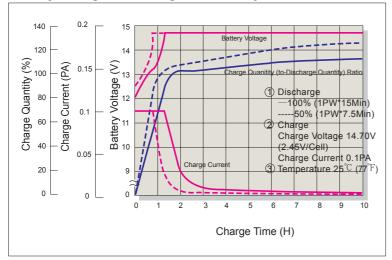
Battery Voltage and Charge Time for Standby Use



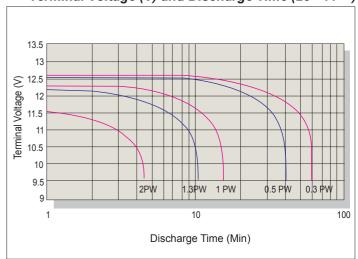
Cycle Service Life



Battery Voltage and Charge Time for Cycle Use



Terminal Voltage (V) and Discharge Time (25°C 77°F)



Charging Procedures

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Application	Temperature	Set Point	Allowable Range	Max. Charge Current
Cycle Use	25°C (77°F)	2.45	2.40~2.50	
Standby	25°C (77°F)	2.275	2.25~2.30	0.1PA

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