



# GH series GH 121000



## 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 10 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 ~ 13.74 VDC/Unit at 25°C (77°F)

#### 【Equalization Charging Voltage】

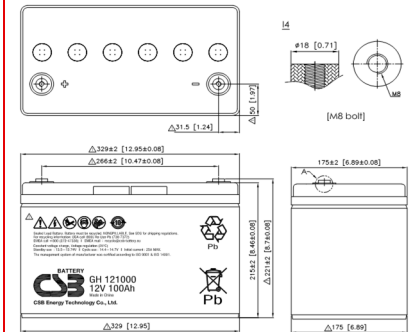
14.4 ~ 14.7 VDC/Unit at 25°C (77°F)

#### 【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 60896-21/22:2004

Nominal Voltage	12V (6 cells per unit)	
Nominal Capacity	100 Ah @10hr-rate to 1.80V per cell @25°C (77°F)	
Weight	Approx. 30.5 Kg (67.1 lbs)	
Maximum Discharge Current	600A (5sec)	
Internal Resistance	Approx. 4.4mΩ	
Short Circuit Current	1800A	
Maximum Charge Current	25.00A	
Terminal types	I4 thread lead alloy terminal to accept M8 bolt	
Terminal tightening torque	122±10 Kgf-cm / 106±9 Lbf-in / 12±1 N-m	
Container Material	ABS & Flame Retardant available upon request	
Dimensions	Length (L)	329±2 mm      12.95±0.08 inch
	Width (W)	175±2 mm      6.89±0.08 inch
	Container Height (h)	215±2 mm      8.46±0.08 inch
	Overall Height (H)	221±2 mm      8.70±0.08 inch



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

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	12HR	20HR
1.70V	183	112	67.9	40.2	28.3	22.2	18.2	15.8	12.3	10.1	8.60	5.40
1.75V	172	111	67.1	39.7	28.1	21.9	18.1	15.6	12.2	10.0	8.59	5.30
1.80V	163	106	65.7	39.1	27.5	21.8	17.9	15.5	12.1	9.99	8.57	5.29
1.83V	153	99.0	63.7	37.8	26.9	21.2	17.6	15.3	12.0	9.80	8.50	5.28
1.85V	147	96.0	62.3	37.2	26.6	21.0	17.5	15.2	11.9	9.70	8.49	5.27
1.87V	136	89.0	56.7	36.1	26.1	20.8	17.3	15.0	11.8	9.69	8.40	5.10

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

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	12HR	20HR
1.70V	2034	1290	792	477	338	265	219	190	146	119	104	65.4
1.75V	1944	1272	780	473	335	263	217	188	145	118	103	64.8
1.80V	1824	1224	779	464	329	262	216	187	144	117	102	64.2
1.83V	1746	1158	750	452	323	256	212	184	143	116	101	64.1
1.85V	1686	1122	738	446	320	253	211	183	142	115	100	64.0
1.87V	1572	1038	672	433	314	250	209	182	141	114	99.6	63.6

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

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