



GH series GH 12650

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】

13.38 ~ 13.62 VDC/Unit at 25°C (77°F)

【Equalization Charging Voltage】

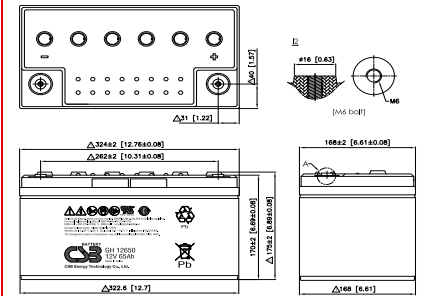
14.1 ~ 14.7 VDC/Unit at 25°C (77°F)

【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	65 Ah @10hr-rate to 1.80V per cell @25°C (77°F)		
Weight	Approx. 21.0 Kg (46.0 lbs)		
Maximum Discharge Current	390A (5sec)		
Internal Resistance	Approx. 5.9mΩ		
Short Circuit Current	1200A		
Maximum Charge Current	16.25A		
Terminal types	I2 thread lead alloy terminal to accept M6 bolt		
Terminal tightening torque	51±10 Kgf·cm / 44±9 Lbf·in / 5±1 N·m		
Container Material	ABS (UL 94-HB) & Flame Retardant available upon request		
Dimensions	Length (L)	324±2 mm	12.76±0.08 inch
	Width (W)	168±2 mm	6.61±0.08 inch
	Container Height (h)	170±2 mm	6.69±0.08 inch
	Overall Height (H)	175±2 mm	6.89±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	105	65.9	40.5	23.8	16.7	13.1	10.8	9.40	7.40	6.50	5.30	3.30
1.75V	99.3	65.2	40.1	23.5	16.5	12.9	10.7	9.30	7.30	6.49	5.29	3.29
1.80V	93.5	62.1	39.2	23.0	16.3	12.8	10.6	9.20	7.29	6.48	5.28	3.28
1.83V	87.6	58.4	37.8	22.3	15.8	12.5	10.4	9.10	7.20	6.40	5.20	3.27
1.85V	84.6	56.5	37.2	22.0	15.7	12.4	10.3	9.00	7.19	6.39	5.19	3.26
1.87V	78.3	52.4	33.8	21.3	15.4	12.3	10.2	8.99	7.10	6.38	5.10	3.20

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	1170	756	475	282	200	157	130	113	88.2	72.6	63.6	40.2
1.75V	1122	744	472	280	198	155	128	112	88.2	72.5	63.0	40.1
1.80V	1050	714	464	274	194	154	127	111	87.6	72.4	62.9	39.6
1.83V	990	672	449	266	191	151	125	110	87.0	72.0	62.8	39.5
1.85V	966	654	442	263	190	149	124	109	86.9	71.4	62.7	39.4
1.87V	900	612	402	256	186	148	123	108	86.4	71.3	62.4	39.3

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

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

