

FEATURES

- GBS delivers long cycle life and prolong life in elevated ambient temperatures.
- The generated heat can easy flow to the case walls because the whole volume of the cell is filled with gel.
- The immobilization of the electrolyte in the gel makes acid stratification impossible.
- Maintenance free(no water topping-up required).
- Low self-discharge rate, lower than 2% capacity loss per month.
- A small distribution of the special valve opening and closing pressure is important for a good (cycle) life time of the battery.

APPLICATIONS

- Solar power stations
- Telecommunications installations
- Traffic lights
- Street lightening
- Wind power



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	120Ah @ 100 hour rate F.V.(1.80V/cell)
Approx. Weight	39Kg(85.98lbs.)
Terminals	I2
Internal Resistance	≤5mΩ (Fully Charged)
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	24 A
Operating Temperature Range	-20°C~55°C(-4°F~131°F)
Container Material	Standard: ABS(UL94 HB) GBS 12/120 Optional: Flame Retardant ABS(UL94 V-0) GBS 12/120FR



- IEC 61427
- GB/T 22473.1

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
■ Length 407±2.0 (16.02±0.08) ■ Width 173±2.0 (6.81±0.08) ■ Container Height 210±2.0 (8.27±0.08) ■ Total Height 239±2.0 (9.41±0.08)		● Terminal I2 [M6 BOLT] Terminal Hardware Initial Torque: I2(5.5Nm±5%)

Constant power discharge characteristics at 25 °C/77 °F					Unit: W			
F.V. (V/cell)	Discharge Time	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr	100 Hr	120 Hr
1.85V		726	322.3	228.9	121.4	63.94	14.06	11.79
1.80V		758	331.1	233.5	124.4	65.46	14.40	12.08
1.75V		781	337.7	237.0	126.3	66.46	14.62	12.27
1.70V		797	341.8	239.1	127.3	66.98	14.74	12.36
1.65V		807	344.5	239.9	127.7	67.18	14.77	12.40

Constant current discharge characteristics at 25 °C/77 °F					Unit: A		
F.V. (V/cell) Discharge Time	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr	100 Hr	120 Hr
1.85V	61.47	26.94	19.07	10.12	5.325	1.171	0.983
1.80V	64.62	27.73	19.52	10.37	5.455	1.200	1.007
1.75V	66.57	28.28	19.81	10.52	5.538	1.218	1.022
1.70V	67.97	28.62	19.98	10.61	5.582	1.228	1.030
1.65V	68.78	28.85	20.05	10.64	5.598	1.232	1.033

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