

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.

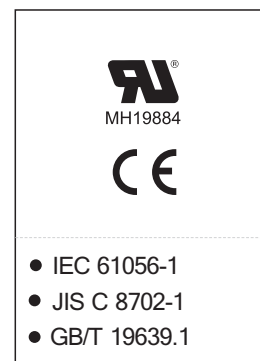
APPLICATIONS

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



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	43.5Ah @ 100 hour rate F.V.(1.80V/cell)
Approx. Weight	16.1Kg(52.9lbs.)
Terminals	I2
Internal Resistance	8.0mΩ (Fully Charged)
Max. Discharge Current	640 A (5 sec.)
Max. Charge Current	8.7 A
Operating Temperature Range	-20°C~55°C(-4°F~131°F)
Container Material	Standard: ABS(UL94 HB) GBS 12/43.5 Optional: Flame Retardant ABS(UL94 V-0) GBS 12/43.5FR



DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<p>■ Length 197±1.5 (7.76±0.06)</p> <p>■ Width 165±1.5 (6.50±0.06)</p> <p>■ Container Height 171±1.5 (6.73±0.06)</p> <p>■ Total Height 171±1.5 (6.73±0.06)</p>		<p>● Terminal I2</p> <p>[M6 BOLT]</p> <p>Terminal Hardware Initial Torque: I2(5.5Nm±5%)</p>

Constant power discharge characteristics at 25 °C/77 °F Unit: W							
Discharge Time F.V. (V/cell)	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr	100 Hr	120 Hr
1.85V	259	113.9	86.18	44.0	23.26	5.20	4.36
1.80V	269	115.9	88.34	45.5	24.93	5.33	4.47
1.75V	278	118.7	89.76	46.4	24.40	5.41	4.54
1.70V	284	120.7	90.55	46.9	24.69	5.45	4.57
1.65V	287	121.7	90.60	47.2	24.77	5.47	4.59

Constant current discharge characteristics at 25 °C/77 °F Unit: A							
Discharge Time F.V. (V/cell)	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr	100 Hr	120 Hr
1.85V	21.1	9.43	7.15	3.665	1.951	0.434	0.364
1.80V	22.7	9.76	7.36	3.777	2.004	0.444	0.372
1.75V	23.4	10.01	7.49	3.835	2.040	0.451	0.378
1.70V	24.2	10.18	7.55	3.876	2.061	0.455	0.381
1.65V	24.5	10.20	7.55	3.898	2.067	0.456	0.382

All data and artworks shall be changed without prior notice, BB reserves the right to explain and update the information contained herein.