

GFM series VRLA batteries are recognized as the most reliable and high quality battery system in the industry. By combining the service life reliability of a flooded battery with the performance energy density of a valve-regulated battery, GFM series batteries designed with advanced AGM(Absorbent Glass Mat) technology, Long service life designed with 10 years. it is highly suited to telecom, UPS, renewable energy system, power stations and similar applications.

2V
Voltage

100Ah
Capacity

AGM
Technolog

Long
Life



GENERAL FEATURES

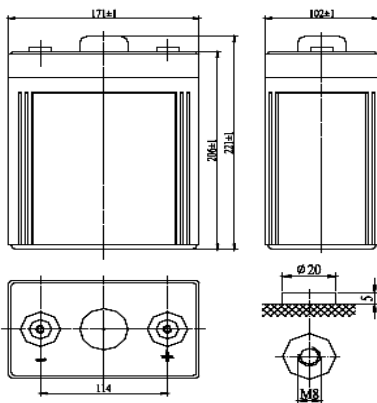
- Thick plate with high Tin low Calcium alloy
- High Reliability and Good Quality
- High gas recombination efficiency
- High Power Density
- Long Service Life, in Float or Cyclic

APPLICATIONS

- Solar Systems
- Power station
- Cable TV Systems
- Telecom systems
- UPS & EPS
- Renewable energy system

DIMENSIONS & WEIGHT

Length(mm)	171±1
Width(mm)	72±1
Height(mm)	206±1
Total Height(mm)	230±1
Weight(kg)	5.8±2%



TECHNICAL SPECIFICATIONS

Nominal Voltage		2V(1 cells per unit)
Design Floating Life @25°C		10 Years
Nominal Capacity @25°C (10 hour rate@10.0A,1.8V)		100Ah
Capacity @25°C	20hour rate (5.3A,1.8V)	106Ah
	5 hour rate (17.4A,1.75V)	87Ah
	1 hour rate (59.6A,1.6V)	59.6Ah
Internal Resistance	Full Charged Battery@25°C	≤1.6 mΩ
Ambient Temperature	Discharge	-15°C~45°C
	Charge	-15°C~45°C
	Storage	-15°C~45°C
Max.Discharge Current@25°C		600A(5s)
Capacity affected by Temperature (10 hour)	40°C	105%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-Discharge@25°C per Month		3%
Charge (Constant Voltage) @25°C	Standby Use	Initial Charging Current Less than 20A Voltage 2.23-2.27V
	Cycle Use	Initial Charging Current Less than 20A Voltage 2.33-2.37V

BATTERY DISCHARGE TABEL

Discharge Constant Current per Cell (Amperes at 25°C)

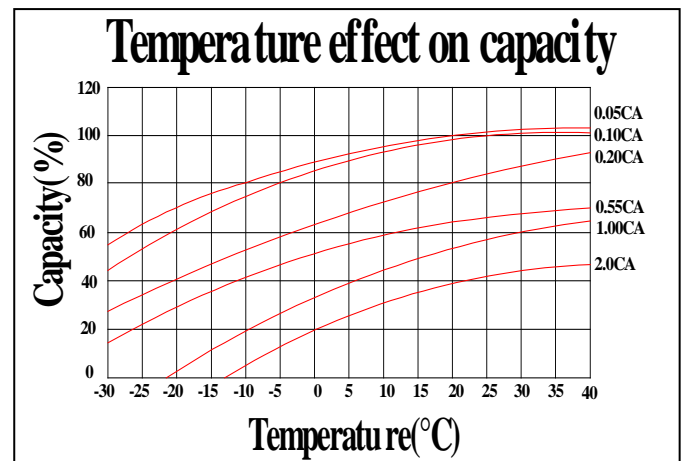
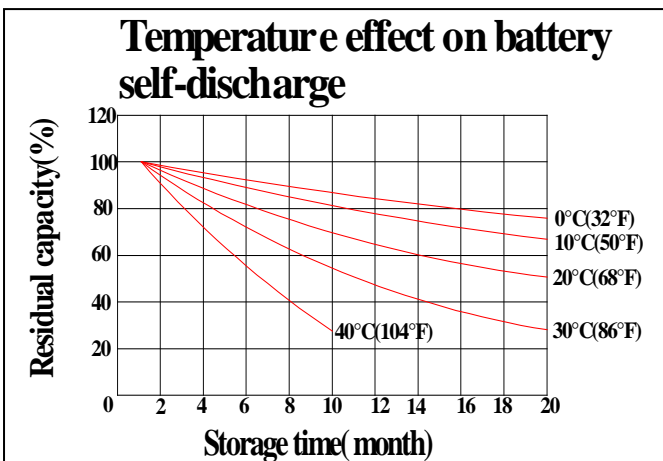
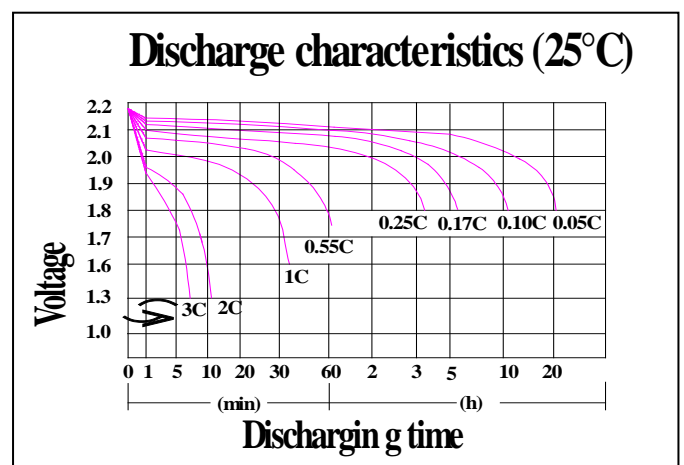
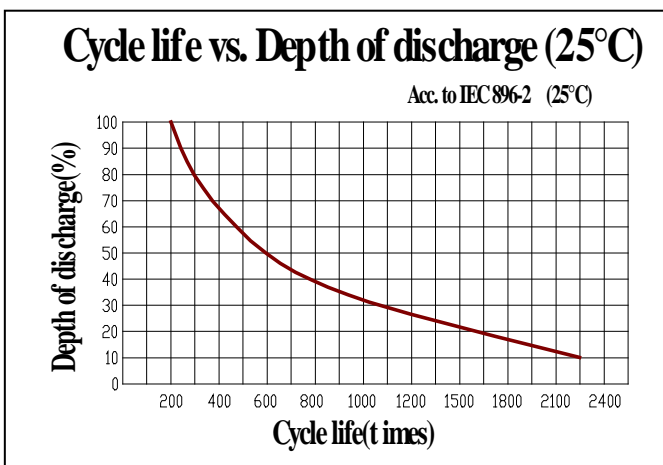
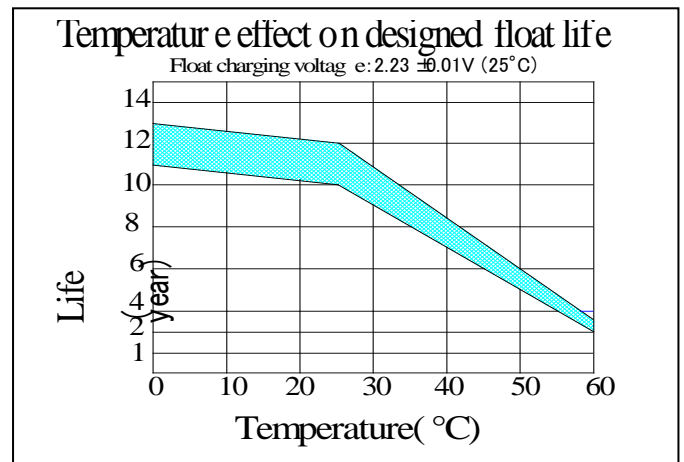
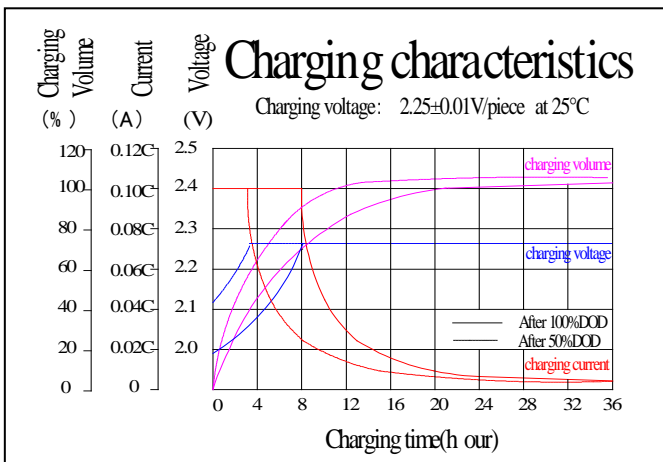
F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	96.4	72.8	59.6	35.8	27.0	21.8	18.3	15.9	12.6	10.5	5.5
1.65V	92.1	70.6	58.0	34.9	26.4	21.5	18.1	15.7	12.4	10.3	5.4
1.70V	88.4	68.0	56.2	33.9	25.9	21.0	17.7	15.4	12.3	10.2	5.4
1.75V	84.7	66.0	54.6	32.9	25.2	20.6	17.4	15.1	12.1	10.1	5.3
1.80V	80.3	63.0	52.4	31.6	24.3	19.9	16.9	14.8	11.8	10.0	5.3

Discharge Constant Power per Cell (Watts at 25°C)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	176.7	135.2	112.1	67.9	51.7	41.9	35.5	30.9	24.7	20.6	10.9
1.65V	170.5	132.4	109.9	66.8	50.9	41.5	35.1	30.6	24.4	20.4	10.7
1.70V	164.9	128.2	107.1	65.1	50.0	40.7	34.5	30.2	24.2	20.2	10.6
1.75V	159.4	125.3	104.6	63.5	48.9	40.0	34.0	29.7	23.8	20.0	10.5
1.80V	152.2	120.3	100.8	61.2	47.3	38.8	33.1	29.1	23.4	19.9	10.4

Note The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice. Contact **YUBSB** for the latest information.

PERFORMANCE CHARACTERISTICS



BATTERY CONSTRUCTION

Component	Positive plate	Negative plate	Container & Cover	Safety valve	Terminal	Separator	Electrolyte	Pillar seal
Features	Thick high Sn low Ca grid with special paste	Balanced Pb-Ca grid for improved recombination efficiency	ABS (UL94-V0 optional)	Flame Si-Rubber aging resister	Female Copper Insert M8(torque: 10~11N.m)	Advanced AGM separator for high pressure cell design	Dilute high purity sulphuric acid	Two layers epoxy resin seal

Solarbaba Tech Group Limited — YUBSB

Room 1701, 17 Floor, Huichao Tech Mansion, Jinhai Road, Bao An District, Shenzhen, China
 Email: Sales@yubsb.com Tel: 0086-13428783612



HTTP: //www.solarbaba.com.hk/
 //www.yubsb.com/