GLOBA Power

GTAG12-5.5 12V 5.5AH

AGM VRLA GENERAL PURPOSE BATTERY

Applications

- All purpose
- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Emergency light
- Railway signal
- Aircraft signal
- Alarm and security system
- Electronic apparatus and equipment
- Communication power supply
- DC power supply
- Auto control system

Specification

Nominal Voltage	12V
Nominal Capacity(20HR)	5.5AH
Dimensions	Length 90±1mm (3.54 inches) Width 70±1mm (2.76 inches) Container Height 101 ±2mm (3.98 inches) Total Height (with Terminal) 107 ±2mm (4.21 inches)
Approx Weight	Approx 1.6 kg
Terminal	T1
Container Material	ABS
Rated Capacity	5.50 AH/0.27A (20hr ,1.80V/cell,25 °C/77℉) 5.02 AH/0.502A (10hr,1.80V/cell,25 °C/77℉) 4.54 AH/0.907A (5hr,1.75V/cell,25 °C/77℉) 3.96 AH/1.32A (3hr,1.75V/cell,25 °C/77℉) 3.28 AH/3.28A (1hr,1.60V/cell,25 °C/77℉)
Max. Discharge Current	81A (5s)
Internal Resistance	Approx 30mΩ
Operating Temp.Range	Discharge : -15～50℃ (5 ～122 °F) Charge : 0～40℃ (32 ～104 °F) Storage : -15～40℃ (5 ～104 °F)
Nominal Operating Temp. Range	25±3℃ (77 ±5℉)
Cycle Use	Initial Charging Current less than 1.62A.Voltage 14.4V~15.0V at 25 °C(77 °F)Temp. Coefficient -30mV/℃
Standby Use	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25 °C(77 °F)Temp. Coefficient -20mV/℃
Capacity affected by Temperature	40°C (104 °F) 103% 25°C (77 °F) 100% 0°C (32°F) 86%
Self Discharge	Global power batteries may be stored for up to 6 months at 25°C(77℉) and then a freshening charge is required. For higher temperatures the time interval will be shorter.

Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	10.4	7.23	5.96	5.17	4.15	3.19	2.61	1.59	1.21	0.998	0.847	0.734	0.583	0.485	0.267
1.80V/cell	12.7	8.62	6.91	5.85	4.59	3.48	2.81	1.69	1.28	1.05	0.883	0.766	0.605	0.502	0.270
1.75V/cell	15.1	9.75	7.62	6.37	4.90	3.69	2.95	1.77	1.32	1.08	0.907	0.785	0.621	0.512	0.273
1.70V/cell	17.1	10.8	8.25	6.84	5.15	3.84	3.08	1.84	1.36	1.11	0.930	0.804	0.630	0.521	0.278
1.65V/cell	18.9	11.6	8.73	7.18	5.37	3.99	3.21	1.89	1.40	1.13	0.950	0.819	0.641	0.528	0.281
1.60V/cell	19.8	12.1	9.09	7.40	5.52	4.08	3.28	1.95	1.43	1.16	0.970	0.835	0.654	0.537	0.283

Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	19.6	13.8	11.5	10.0	8.09	6.25	5.14	3.15	2.41	1.99	1.69	1.47	1.17	0.978	0.540
1.80V/cell	23.8	16.3	13.2	11.2	8.89	6.77	5.50	3.33	2.52	2.08	1.76	1.53	1.21	1.01	0.543
1.75V/cell	27.8	18.2	14.4	12.1	9.43	7.16	5.76	3.46	2.59	2.13	1.79	1.55	1.23	1.02	0.544
1.70V/cell	31.2	19.9	15.4	12.9	9.84	7.39	5.97	3.58	2.67	2.17	1.83	1.58	1.25	1.03	0.551
1.65V/cell	33.9	21.1	16.1	13.5	10.2	7.63	6.17	3.66	2.72	2.21	1.86	1.61	1.26	1.04	0.556
1.60V/cell	35.1	21.7	16.6	13.7	10.3	7.72	6.26	3.75	2.77	2.25	1.89	1.63	1.28	1.05	0.556

Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.

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12V 5.5AH

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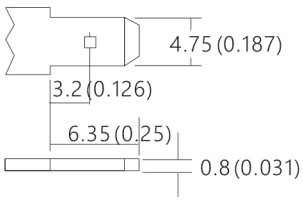
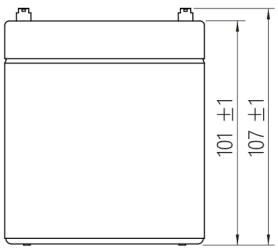
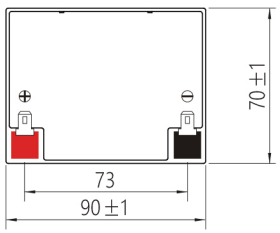
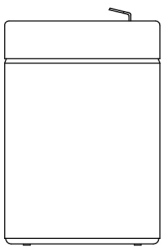
Dimensions

■ T1 Terminal
Unit: mm [inches]

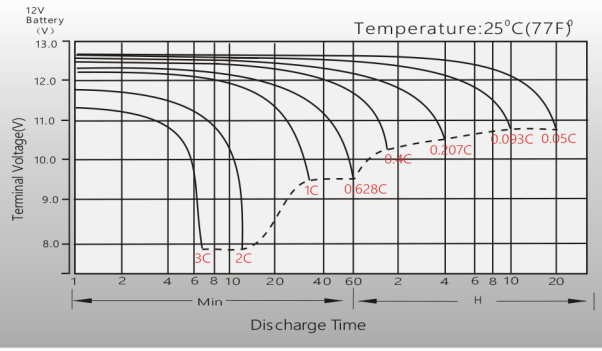




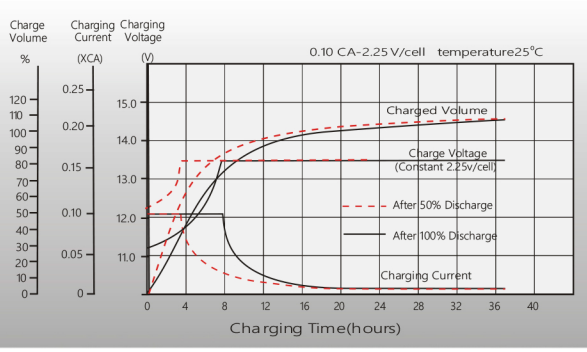




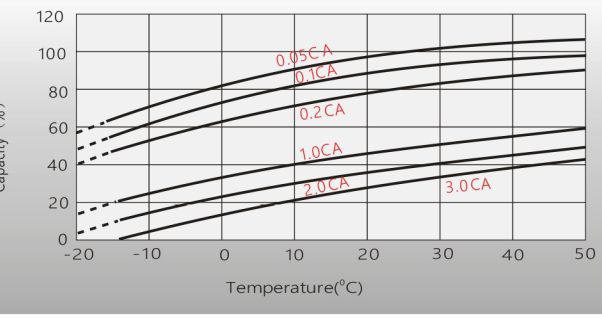
Discharge Characteristics



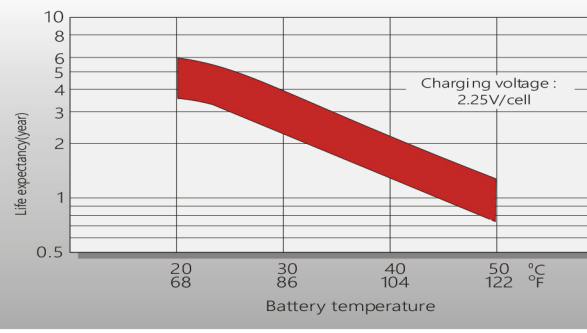
Float Charging Characteristics



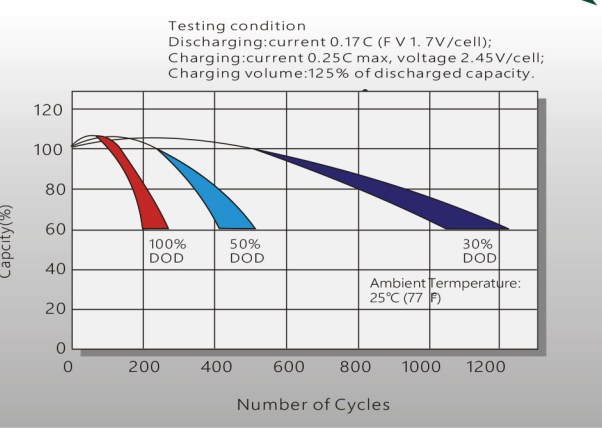
Temperature Effects in Relation to Battery Capacity



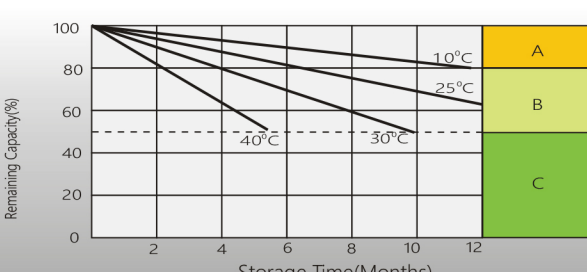
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



A No sup plemen tary cha rge required
(Carry o ut supp lementa ry charg e before use if 1 00% cap acity is require d.)

B Supplem entary c harge re quired b efore us e.Optio nal cha rging w ay as b elow:
1.Charg ed for above 3 days at limted current 0.25CA and constant v olatge 2 .25V/ce ll.
2.Charg ed for above 20 hours a t limted current 0.25CA and constant v olatge 2 .45V/cel l.
3.Charg ed for 8~10hou rs at lim ted curr ent 0.05 CA .

C Supplem entary c harge m ay often fail to recover the cap acity.
The bat tery sho uld nev er be left standin g till thi s is rea ched.