

GTAG12-250 12V-250AH

AGM SERIES-A G M Battery



Applications

- ◆ Uninterruptable Power Supply(UPS)
- ◆ Electric Power System(EPS)
- ◆ Emergency backup Power Supply
- ◆ Alarm and security system
- ◆ Electronic Apparatus and equipment
- ◆ Communication Power Supply
- ◆ Solar Power System

Specification

Nominal Voltage	12V	
Nominal Capacity(10HR)	250AH	
Dimension	Length	522 ± 3mm
	Width	268± 2mm
	Container Height	220±2mm
	Total Height (with Terminal)	225± 2mm
Approx Weight	Approx 63.8 kg	
Terminal	T11	
Container Material	ABS	
Rated Capacity	253.2AH/12.66A	(20hr , 1.75V/cell, 25°C/77°F)
	250.0 AH/25.00A	(10hr, 1.75V/cell, 25°C/77°F)
	217.3 AH/43.46A	(5hr, 1.75V/cell, 25°C/77°F)
	190.5AH/63.50A	(3hr, 1.75V/cell, 25°C/77°F)
	137.5 AH/137.5A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	2500A (5s)	
Internal Resistance	Approx 2.7mΩ	
Operating Temp.Range	Discharge : -15 ~ 50°C (5 ~ 122°F)	
	Charge : 0 ~ 40°C (32 ~ 104°F)	
	Storage : -15 ~ 40°C (5 ~ 104°F)	
Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)	
Cycle Use	Initial Charging Current less than 60.0A.Voltage	
	14.6V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	No limit on Initial Charging Current Voltage	
	13.6V~13.7V at 25°C(77°F)Temp. Coefficient -20mV/°C	
Capacity affectedby 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 °F) and battery should be recharge before use . For higher temperatures the time interval will be shorter.	

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

F.V/time	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	412.50	250.00	137.50	100.63	90.41	64.40	43.95	31.85	25.94	13.91
1.67V	391.07	244.66	136.50	99.64	89.96	64.06	43.71	31.59	25.54	13.22
1.70V	381.43	242.52	135.51	99.54	89.73	63.90	43.70	31.27	25.22	12.86
1.75V	365.36	238.25	133.51	98.24	89.17	63.50	43.46	31.18	25.00	12.66
1.80V	350.36	232.91	132.52	97.55	88.61	63.16	43.34	30.91	24.60	12.24
1.85V	332.14	226.50	130.53	96.45	87.82	62.60	43.10	30.51	24.19	11.83

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

F.V/time	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	796.13	498.00	274.31	200.94	180.89	128.85	87.94	63.74	51.90	27.84
1.67V	755.36	487.60	272.34	199.00	180.14	128.41	87.61	63.33	51.20	26.50
1.70V	737.30	483.36	270.68	198.88	179.77	128.12	87.61	62.73	50.58	25.81
1.75V	706.97	475.19	267.36	196.49	178.61	127.38	87.19	62.60	50.19	25.41
1.80V	678.99	464.74	265.70	195.58	177.51	126.77	86.99	62.11	49.41	24.60
1.85V	644.36	452.28	262.09	193.86	176.01	125.76	86.59	61.36	48.65	23.78

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

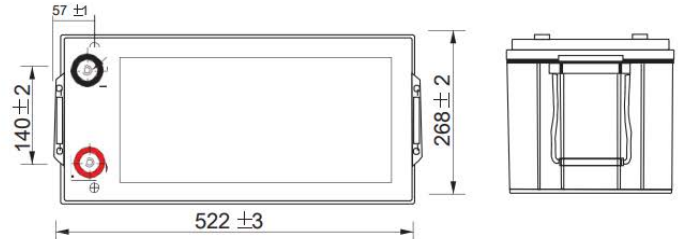
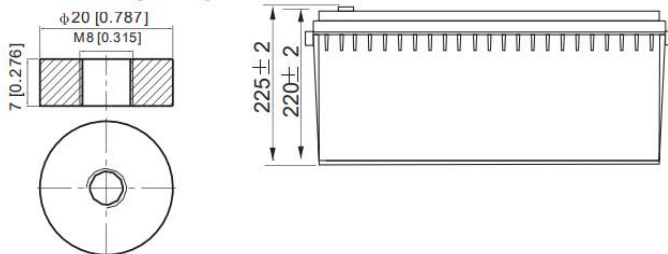
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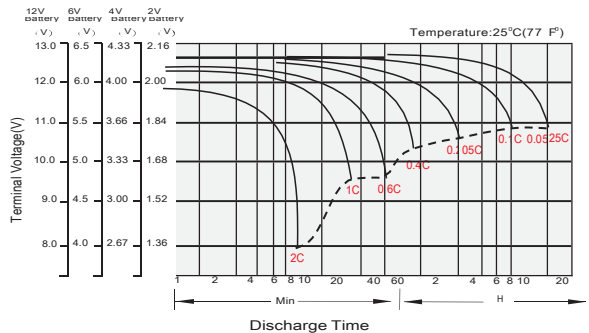
Dimensions

T11 Terminal

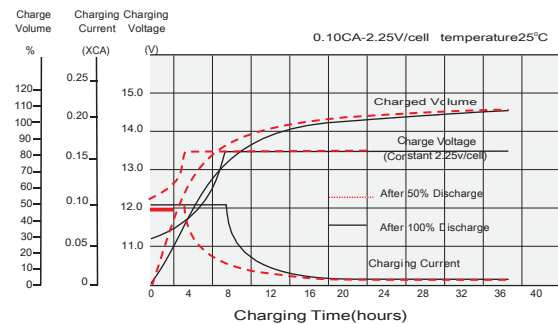
Unit: mm [inches]



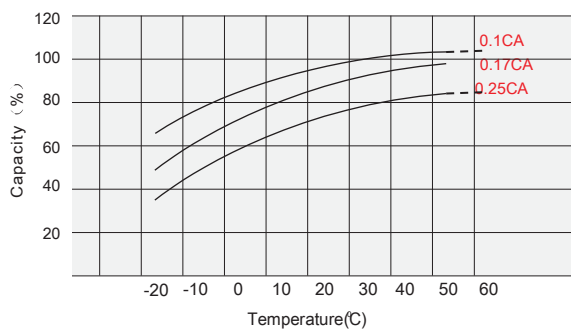
Discharge Characteristics



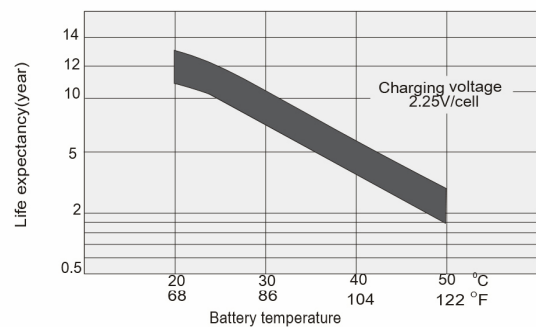
Float Charging Characteristics



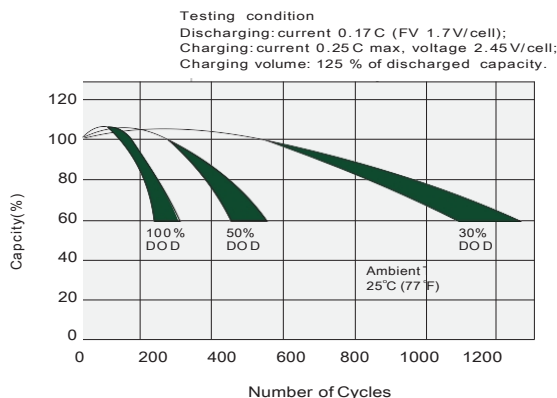
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

