

GTAG12-9 12V9AH

AGM BATTERY- AGM SERIES



Specifications

Nominal Voltage	12V	
Nominal Capacity	9Ah	
Dimensions	Length	151 ±1.5mm
	Width	65 ±1.5mm
	Height	94 ±1.5mm
	Total height	98 ±2mm
Approx. Weight	2.45kg±3%	
Terminal Type	F2	
	20HR (0.450A, 10.5V)	9.0Ah
Rated Capacity (25°C)	10HR (0.812A, 10.5V)	8.12Ah
	5HR (1.596A, 10.5V)	7.98Ah
	1HR (5.452A, 10.5V)	5.45Ah
	Max. Current	2.70A
Internal Resistance (Fully charged, 25°C)	Approx. ≤25mΩ	
Operating Temp. Range	Discharge	-15°C~50°C (5°F~122°F)
	Charge	-10°C~50°C (14°F~122°F)
	Storage	-20°C~50°C (-4°F~122°F)
Nominal Operating Temp.	25°C ±3°C (77°F ±5°F)	
Cyclic Charging Voltage (25°C)	14.60 to 15.00V Temperature compensation : -30mV/°C	
Float Charging Voltage (25°C)	13.60 to 13.70V Temperature compensation : -20mV/°C	
Capacity affected by temperature (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	2% of capacity declined per month at (25°C)	
Design Life	3~5 years for floating	

Applications

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

Construction

Component	Positive plate	Negative plate	Container	Cover	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS	ABS	Fiber glass	Sulfuric acid	Rubber	Copper

Constant current discharge characteristics unit: Ampere/Block (at 25°C, 77°F)

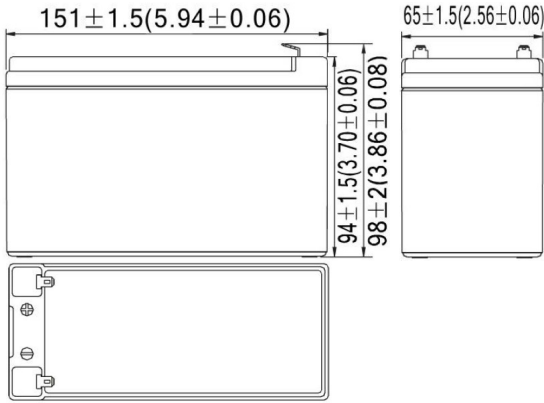
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.60V/Cell	31.45	21.83	17.46	10.75	6.160	3.306	2.728	2.085	1.803	1.440	0.918	0.494
1.67V/Cell	29.78	20.67	16.53	10.18	5.833	3.130	2.584	1.974	1.707	1.364	0.869	0.476
1.70V/Cell	28.67	19.90	15.91	9.80	5.615	3.013	2.487	1.900	1.644	1.313	0.837	0.463
1.75V/Cell	27.83	19.32	15.45	9.51	5.452	2.926	2.415	1.845	1.596	1.274	0.812	0.450
1.80V/Cell	27.32	18.96	15.17	9.34	5.351	2.872	2.370	1.811	1.566	1.251	0.797	0.412

Constant power discharge characteristics unit: Watt/Block (at 25°C, 77°F)

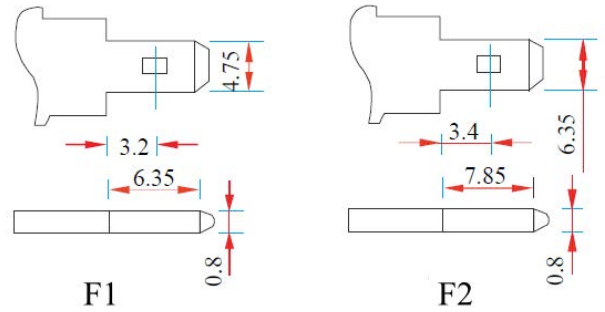
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.60V/Cell	61.33	42.57	34.05	20.96	12.01	6.45	5.32	4.07	3.52	2.81	1.79	0.93
1.67V/Cell	58.07	40.31	32.24	19.85	11.37	6.10	5.04	3.85	3.33	2.66	1.69	0.88
1.70V/Cell	55.90	38.80	31.03	19.10	10.95	5.88	4.85	3.71	3.21	2.56	1.63	0.84
1.75V/Cell	54.27	37.67	30.13	18.55	10.63	5.70	4.71	3.60	3.11	2.49	1.58	0.82
1.80V/Cell	53.28	36.98	29.57	18.21	10.44	5.60	4.62	3.53	3.05	2.44	1.55	0.80

Note 1: Above characteristics data can be obtained within three charge and discharge cycles.

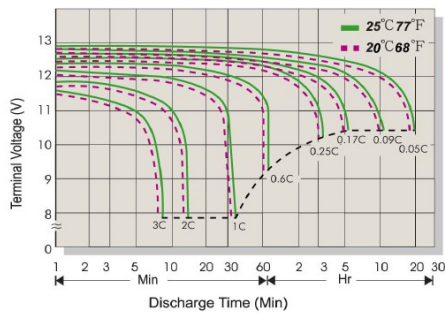
Outer dimensions (mm)



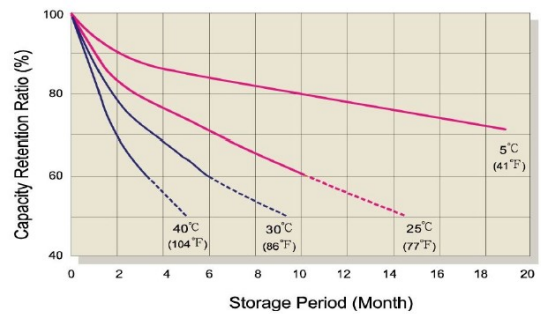
Terminal type (mm)



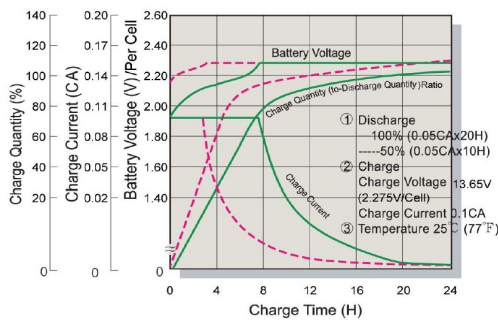
Terminal Voltage (V) and Discharge Time



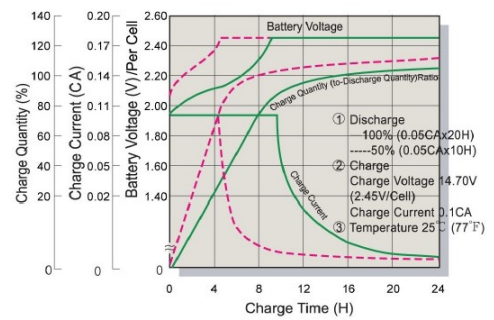
Capacity Retention Characteristic



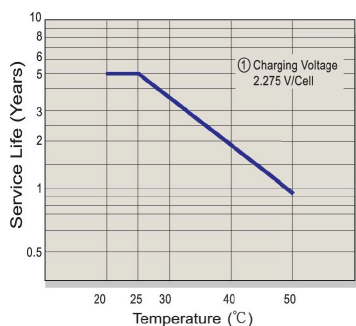
Battery Voltage and Charge Time for Standby Use



Battery Voltage and Charge Time for Cycle Use



Tickle(or Float) Service Life



Cycle Service Life

