GLOBA Power

GTAG12-33 12V33AH AGM BATTERY - AGM SERIES



Applications

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

Remarks

Use in normal climate environment with standard range

of regulated powered electricity.

Falling, hitting, bending, etc. may cause degradation of battery characteristics.

Specifications

Nominal Voltage	12V				
Nominal Capacity	33Ah				
	Length	194±2mm			
D	Width	132±2mm			
Dimensions	Height	170±2mm			
	Total Height	174±2mm			
Approx. Weight	9.9kg±3%				
Terminal Type	T1				
Capacity (25°C)	20HR Rate (1.65A)	33Ah			
	20 I ₂₀ rate (33A, 27	min) 32min			
Discharge Current Testing (25°C)	60 I ₂₀ rate (99A, 7r	nin) 8min			
Internal Resistance (Fully charged, 25°C)	Approx. 9mΩ				
Cyclic Charging Voltage (25°C)	Initial Charging Cur Voltage 14.5~14.9\	rent Less Than 9.9A			
Float Charging Voltage (25°C)	Charge Voltage 13.	6~13.8V			
)4%			
Capacity affected		00%			
by temperature		3%			
		5%			
Self-discharge (25°C)		emaining capacity: 91%			
cen-discilarge (20 C)		Remaining capacity: 82% Remaining capacity: 65%			

Constant current discharge characteristics (A, 25°C)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	107.6	68.9	56.7	33.2	20.3	11.8	8.6	5.7	3.8	3.1	1.8
10.2V	102.7	65.5	54.4	31.9	19.6	11.6	8.4	5.6	3.8	3.0	1.7
10.5V	99.5	63.6	53.0	31.1	19.1	11.5	8.2	5.5	3.7	3.0	1.7
10.8V	96.4	61.6	51.6	30.3	18.6	11.4	8.1	5.5	3.7	2.9	1.6

Constant power discharge characteristics (W, 25°C)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	1129.5	745.1	622.9	372.6	231.8	136.0	101.7	68.1	45.3	38.0	19.8
10.2V	1076.6	708.0	597.5	356.9	223.0	134.0	98.8	66.7	44.9	37.8	19.6
10.5V	1044.4	686.5	582.3	348.6	211.7	133.1	96.8	65.7	44.6	37.6	19.4
10.8V	1012.1	665.0	567.2	340.3	200.5	131.6	94.9	64.7	44.2	37.4	19.2

Capacity factors with different temperature

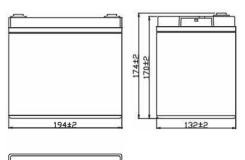
Battery	[,] Туре	-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
Battery	12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%

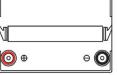
Note 1: The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.



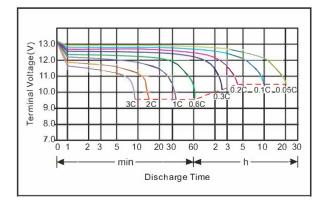
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Outer dimensions (mm)

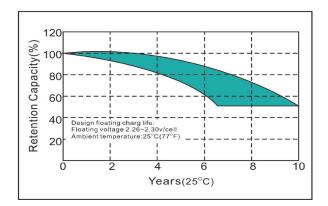




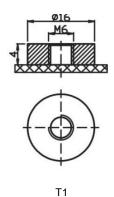
Discharge Current (25°C)



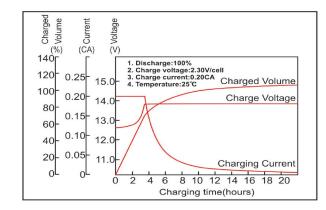
Cycle service life in relation to the depth of discharge



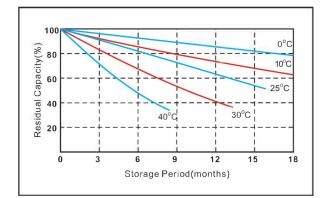
Terminal type (mm)



Constant voltage charging characteristics



Residual Capacity



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