

# GC AGM47

## Product card

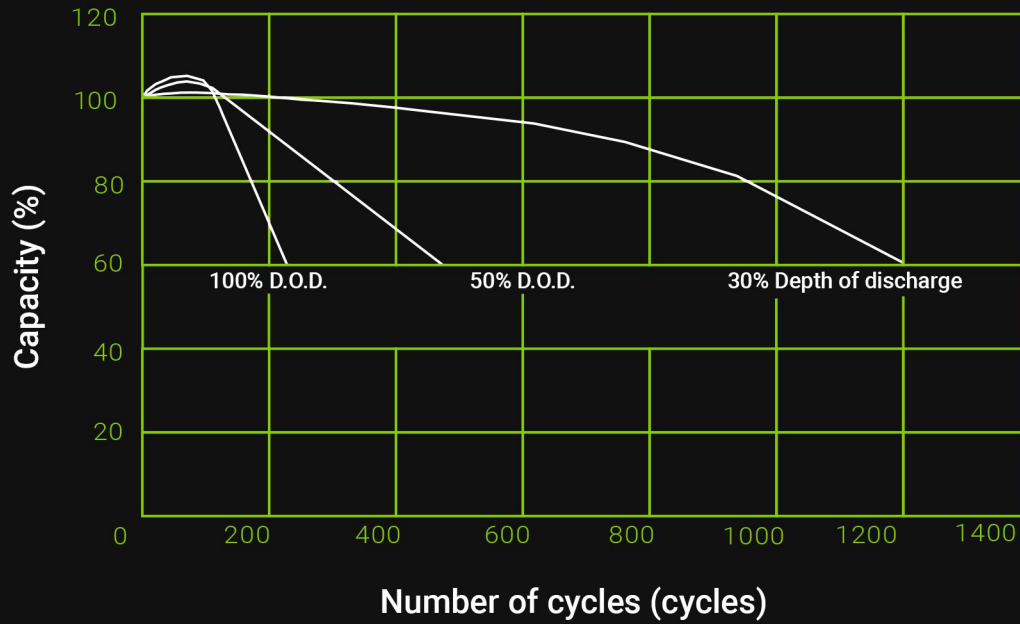


### Electrical Specification:

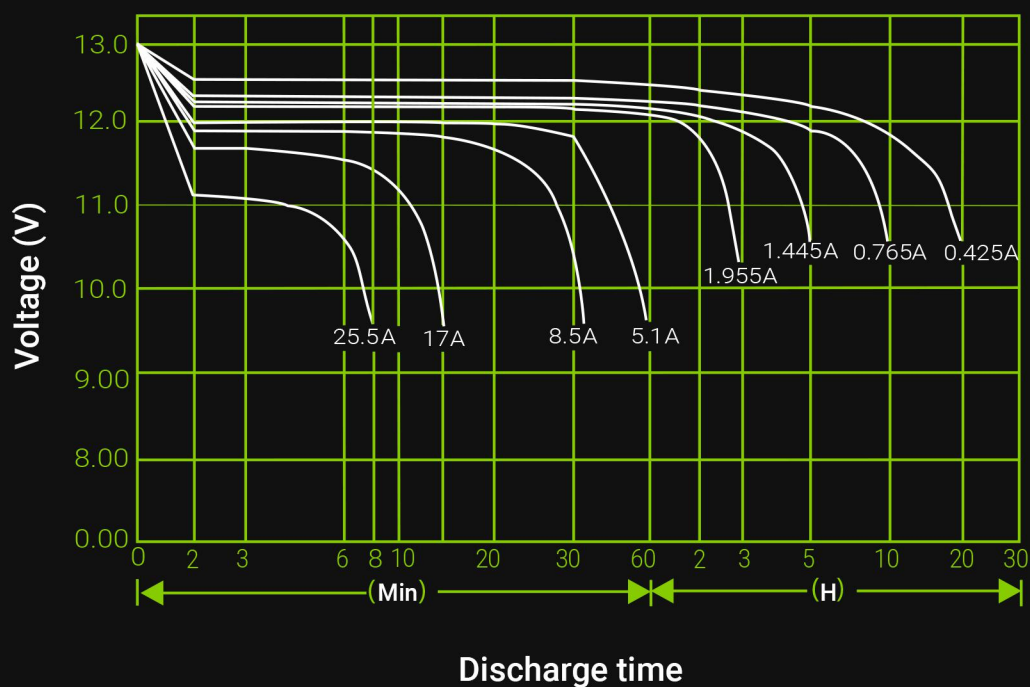
Capacity 25°C (77°F)	20hour rate(0.425A)	8.5Ah
	27min rate(8.5A)	3.83Ah
	7min rate(25.5A)	2.98Ah
Capacity Affected by Temperature (20hour rate)	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	85%
	-15°C (5°F)	65%
Internal Resistance	full charged battery 25°C (77°F)	25mΩ
Self-Discharge at 25°C (77°F)	Capacity after 3 month storage	91 %
	Capacity after 6 month storage	82 %
	Capacity after 12 month storage	64 %

Charge (constant Voltage)	Cycle	Initial Charging Current less than 2.55A Voltage 14.40 - 14.90V
	Float	Voltage 13.50 - 13.80V

**Cycle service life in relation to depth of discharge:**



**Discharge Characteristics after fully charged (25°C, 77°F):**



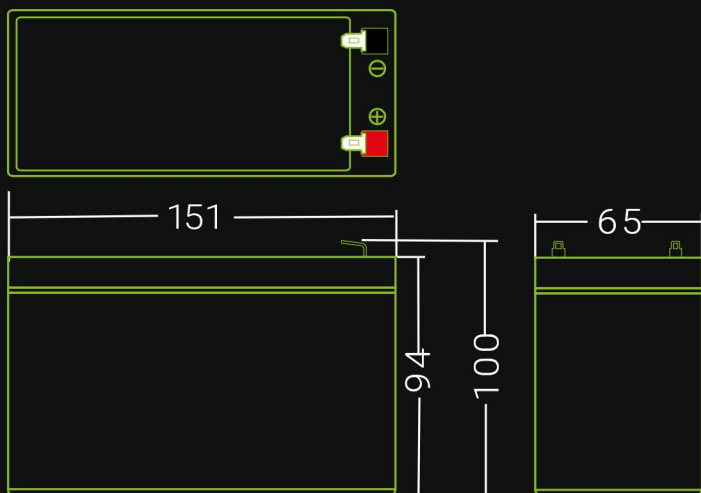
## Constant Current (Amp) and Constant Power (watt) Discharge Table at 25°C (77°F):

time		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	34.00	22.95	16.15	9.78	5.10	2.98	2.18	1.75	1.49	0.98	0.81	0.434
	W	361.1	243.7	171.5	103.6	58.8	34.3	25.27	20.29	17.24	11.33	9.37	5.09
9.90V	A	30.60	20.87	14.54	9.27	4.76	2.85	2.13	1.70	1.45	0.96	0.79	0.434
	W	339.7	231.6	161.2	103.0	55.1	33.0	24.71	19.72	16.90	11.17	9.19	5.04
10.20V	A	28.90	19.89	13.60	8.99	4.62	2.80	2.10	1.62	1.44	0.96	0.79	0.425
	W	327.4	225.4	154.1	102.0	53.6	32.4	24.35	18.83	16.66	11.14	9.17	4.95
10.50V	A	26.91	18.85	12.75	8.75	4.48	2.72	2.06	1.59	1.38	0.93	0.76	0.417
	W	312.7	219.1	148.2	101.6	52.1	31.6	23.90	18.47	16.07	10.89	8.89	4.86
10.80V	A	25.50	17.85	11.90	8.50	4.33	2.66	1.95	1.55	1.32	0.91	0.74	0.396
	W	303.5	212.4	141.6	101.2	51.5	31.7	23.20	18.44	15.70	10.84	8.81	4.72

### Physical specification:

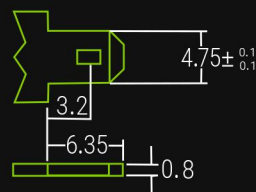
Nominal Voltage		12V
Nominal Capacity(20HR)		8.5AH
Dimensions	Length	151±1 mm (5.95inches)
	Width	65±1 mm (2.56 inches)
	Container Height	94±2 mm (3.70 inches)
	Total Height	100±2 mm (3.94 inches)
Weight		Approx 2.2kg (4.84 lbs)
Standard terminal		F1/F2

### Dimensions (mm):

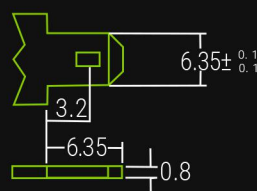


### Terminal type:

Standard Terminal  
F1 (Fasten Tab No.187A)



Standard Terminal  
F2 (Fasten Tab No.250A)



(in mm)