# MYCAM



## 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 controlsystem



# AGM GP SERIES - VRLA BATTERY

### Specification

Nominal Voltage	12V							
Nominal Capacity(20HR)	12.0AH							
	Length	151 $\pm$ 1mm (5.95 inches						
Dimension	Width	$98\pm1$ mm (3.86 inches)						
Dimension	Container Height	95 $\pm$ 1mm (3.74 inches						
	Total Height (with Terminal)	101 $\pm$ 1mm (3.98 inches)						
Approx Weight	Approx 3.3 kg							
Terminal	T1 / T2							
Container Material	ABS							
	12.0 AH/0.60A (20	hr ,1.80V/cell,25°C/77°F)						
	11.2 AH/1.12A (10	)hr,1.80V/cell,25°C/77°F)						
Rated Capacity	10.2 AH/2.04A (5	5hr,1.75V/cell,25°C/77°F)						
	9.2 AH/3.06A (3	Bhr,1.75V/cell,25°C/77°F)						
	7.54AH/7.54A (1	hr,1.60V/cell,25°C/77°F)						
Max. Discharge Current	180A (5s)							
Internal Resistance	Approx 17mΩ							
	Discharge : -15~50°C (5~122°F)							
Operating Temp.Range	Charge : 0~40°C (32~104°F)							
	Storage : -15~40°C (5~104°F)							
Nominal Operating Temp. Range	25±3℃ (77±5°F)							
Cuela Llas	Initial Charging Current less than 3.6 A.Voltage							
Cycle Use	14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C							
	No limit on Initial Charging Cur	rent Voltage						
Standby Use	13.5V~13.8V at 25°C(77°F)T							
Canacity affected by	40°C (104°F)	103%						
Capacity affected by	25°C (77°F)	100%						
Temperature	0°C (32°F)	86%						
Self Discharge	GP series batterys may be store at 25°C(77°F) and then a fresh For higher temperatures the time	ening charge is required.						

### 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	22.9	17.5	14.5	12.6	9.72	7.16	6.03	3.57	2.79	2.27	1.85	1.61	1.30	1.08	0.594
1.80V/cell	30.7	22.4	17.6	14.9	11.5	8.33	6.76	3.90	3.00	2.42	1.99	1.72	1.37	1.12	0.600
1.75V/cell	34.6	24.6	19.2	16.0	11.9	8.64	7.07	4.04	3.06	2.48	2.04	1.77	1.40	1.15	0.606
1.70V/cell	38.1	26.9	20.5	16.8	12.4	8.99	7.29	4.14	3.15	2.54	2.09	1.81	1.42	1.17	0.617
1.65V/cell	42.0	29.0	21.8	17.8	13.1	9.21	7.46	4.20	3.28	2.63	2.15	1.85	1.44	1.19	0.625
1.60V/cell	46.3	31.5	23.3	19.0	13.8	9.60	7.54	4.38	3.38	2.71	2.22	1.89	1.45	1.21	0.629

### Constant Power Discharge (Watts) 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	41.8	32.4	27.1	23.7	18.5	13.8	11.6	6.93	5.44	4.44	3.63	3.16	2.56	2.14	1.18
1.80V/cell	55.5	40.9	32.3	27.6	21.5	15.9	13.0	7.51	5.82	4.71	3.88	3.37	2.71	2.21	1.19
1.75V/cell	61.2	44.3	34.9	29.4	22.2	16.3	13.5	7.76	5.91	4.80	3.97	3.46	2.75	2.26	1.20
1.70V/cell	65.6	47.1	36.7	30.7	22.9	16.9	13.9	7.94	6.06	4.92	4.06	3.52	2.78	2.31	1.22
1.65V/cell	71.3	50.4	38.7	32.3	24.0	17.2	14.1	8.01	6.29	5.07	4.16	3.59	2.82	2.35	1.23
1.60V/cell	76.8	53.5	40.8	34.1	25.2	17.8	14.2	8.31	6.45	5.21	4.28	3.65	2.84	2.37	1.24

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

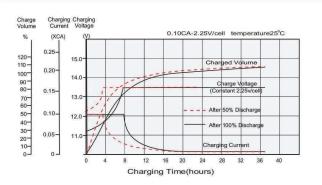


## HASI VSI 510513M

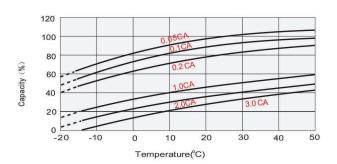
AGM GP SERIES - VRLA BATTERY

#### **Dimensions** T1 Terminal Unit: mm [inches] e 78±1 98土1 95土1 101 ± 1 亡 4.75(0.187) 0 3.2 (0.126) F 6.35 (0.25) 151±1 0.8 (0.031)

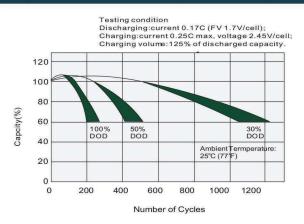
### **Float Charging Characteristics**



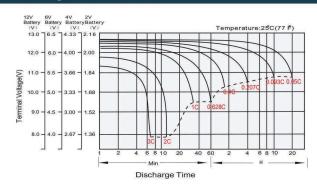
Temperature Effects in Relation to Battery Capacity



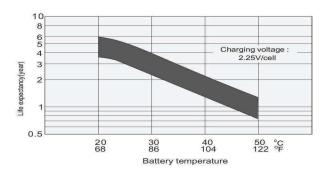
### Cycle Life in Relation to Depth of Discharge



**Discharge Characteristics** 



### Effect of Temperature on Long Term Float Life



### Self Discharge Characteristics

