## 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

Nomial Voltage	12V								
Nomial Capacity(20HR)	18.0AH								
	Length	181±1mm (7.14 inches)							
Dimension	Width	76±1mm (3.03 inches)							
Dimension	Container Height	167 $\pm$ 1mm (6.59 inches)							
	Total Height (with Terminal)	167 $\pm$ 1mm (6.59 inches)							
Approx Weight	Approx 5.1 kg								
Terminal	Т3								
Container Material	ABS								
	18.0 AH/0.85A (20	0hr ,1.80V/cell,25°C/77°F)							
	15.7 AH/1.57A (1	0hr,1.80V/cell,25°C/77°F)							
Rated Capacity	14.4 AH/2.88A (	5hr,1.75V/cell,25°C/77°F)							
	13.0 AH/4.33A (	3hr,1.75V/cell,25°C/77°F)							
	10.6 AH/10.6A (	1hr,1.60V/cell,25°C/77°F)							
Max. Discharge Current	255A (5s)								
Internal Resistance	Approx 16mΩ								
	Discharge : -15~50°C (5~122°F)								
Operating Temp.Range	Charge : 0~40°C (32~104°F)								
<u></u>	Storage : -15~40°C (5~104°F)								
Nominal Operating Temp. Range	$25\pm3^\circ$ C (77 $\pm5^\circ$ F )								
Our la liter	Initial Charging Current less than 5.1 A.Voltage								
Cycle Use	14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C								
~	No limit on Initial Charging Current Voltage								
Standby Use	13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C								
Capacity affected by	40°C (104°F)	103%							
	25°C (77°F)	100%							
Temperature	0°C (32°F)	86%							
	GP series batterys may be stored for up to 6 months								
Self Discharge	at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.								

#### 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	34.3	26.3	21.8	18.9	14.6	10.7	9.05	5.35	4.19	3.41	2.78	2.41	1.94	1.62	0.89
1.80V/cell	46.0	33.6	26.3	22.3	17.2	12.5	10.1	5.84	4.51	3.64	2.98	2.58	2.06	1.67	0.90
1.75V/cell	51.9	37.0	28.8	24.0	17.9	13.0	10.6	6.06	4.59	3.72	3.06	2.66	2.10	1.72	0.91
1.70V/cell	57.1	40.3	30.7	25.2	18.6	13.5	10.9	6.21	4.72	3.82	3.14	2.71	2.13	1.75	0.93
1.65V/cell	63.0	43.5	32.7	26.8	19.6	13.8	11.2	6.30	4.92	3.95	3.22	2.77	2.16	1.79	0.94
1.60V/cell	69.5	47.2	34.9	28.5	20.7	14.4	11.3	6.57	5.07	4.07	3.33	2.83	2.18	1.81	0.95

#### 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	62.7	48.6	40.7	35.5	27.8	20.6	17.5	10.4	8.16	6.66	5.45	4.74	3.84	3.21	1.77
1.80V/cell	83.2	61.4	48.5	41.4	32.3	23.8	19.5	11.3	8.74	7.07	5.82	5.06	4.06	3.31	1.78
1.75V/cell	91.8	66.4	52.3	44.1	33.2	24.5	20.3	11.6	8.86	7.20	5.95	5.18	4.12	3.39	1.80
1.70V/cell	98.3	70.7	55.1	46.0	34.4	25.4	20.8	11.9	9.09	7.38	6.09	5.28	4.17	3.46	1.83
1.65V/cell	106.9	75.6	58.1	48.5	36.0	25.8	21.2	12.0	9.44	7.61	6.24	5.38	4.23	3.52	1.85
1.60V/cell	115.2	80.2	61.1	51.1	37.7	26.7	21.3	12.5	9.68	7.82	6.42	5.48	4.26	3.56	1.86

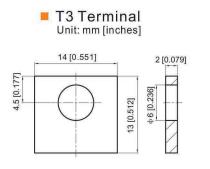
Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.

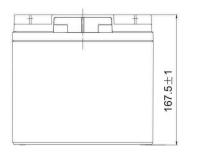


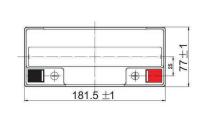
### MC12018 12V 18AH

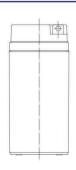
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#### Dimensions

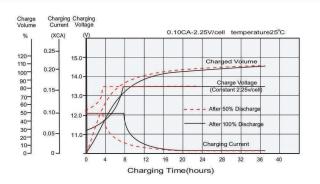




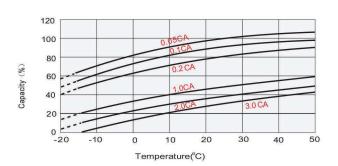




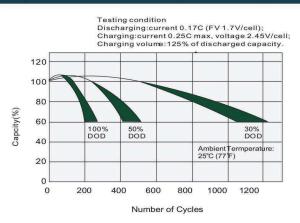
#### **Float Charging Characteristics**



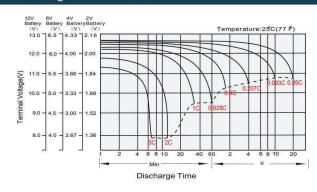
#### Temperature Effects in Relation to Battery Capacity



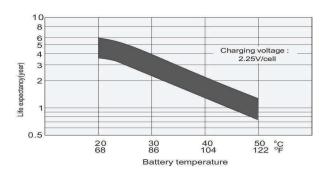
#### Cycle Life in Relation to Depth of Discharge



**Discharge Characteristics** 



#### Effect of Temperature on Long Term Float Life



#### Self Discharge Characteristics

