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

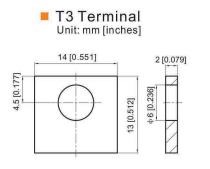
Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.

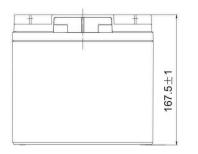


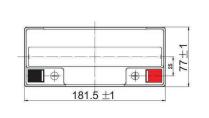
MC12018 12V 18AH

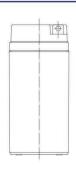
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Dimensions

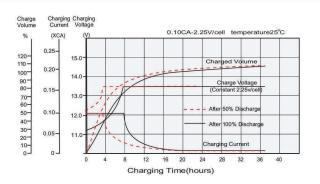




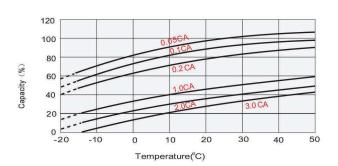




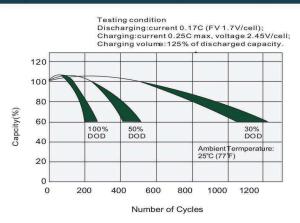
Float Charging Characteristics



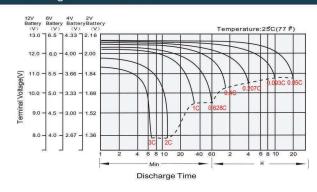
Temperature Effects in Relation to Battery Capacity



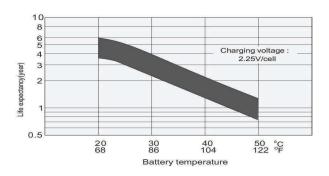
Cycle Life in Relation to Depth of Discharge



Discharge Characteristics



Effect of Temperature on Long Term Float Life



Self Discharge Characteristics

