

MLG12-200H (12V208AH C10 @25°C)



Features

- § Maintenance-free operation
- § Gel technology
- § ABS case, Flame Retardant V0 is available
- § Stable quality and high reliability
- § 12 years design life (at 25°C)

Application

- § Telecommunication system
- § Alarm and security system
- § Backup power
- § UPS
- § Emergency lighting
- § Auto control system
- § Electronic apparatus and equipment
- § Communication power supply
- § DC power supply

Specification

Nominal Voltage	12V (6 cells)	Operating Temp.Range	Discharge: -15-50°C (5-122°F)	
Nominal Capacity	226AH (20hr, 1.80V/cell, 25°C/77°F)		Charge: 0-40°C (32-104°F)	
	208AH (10hr, 1.80V/cell, 25°C/77°F)	Storage: -15-40°C (5-104°F)		
	176AH (5hr, 1.75V/cell, 25°C/77°F)	Nominal Operating Temp.Range	25 ± 3°C (77 ± 5°F)	
	125AH (1hr, 1.60V/cell, 25°C/77°F)	Cycle Use	14.4~14.8V (25°C/77°F) Temp.Coefficient -30mV/°C	
Dimension	Length	522 ± 2mm	Standby Use	Initial Charging Current Less than 63A
	Width	240 ± 2mm		13.5~13.8V (25°C/77°F) Temp.Coefficient -20mV/°C
	Container Height	218 ± 2mm	Capacity affected by Temperature	No limit on Initial Charging Current
	Total Height(with Terminal)	224 ± 2mm		40°C (104°F) 103%
Approx Weight	Approx 62.0kg	Self Discharge	25°C (77°F) 100%	
Terminal	T5 or F7		0°C (32°F) 86%	
Container Material	ABS		MLG series batteries may be stored for up to 6 months	
Max. Discharge Current	2100A (5S)		At 25°C (77°F) and then a freshening charge is required.	
Internal Resistance	Approx 2.9mΩ		For higher temperatures the time interval will be shorter.	

Constant Current Discharge (Amperes at 25°C/77°F)

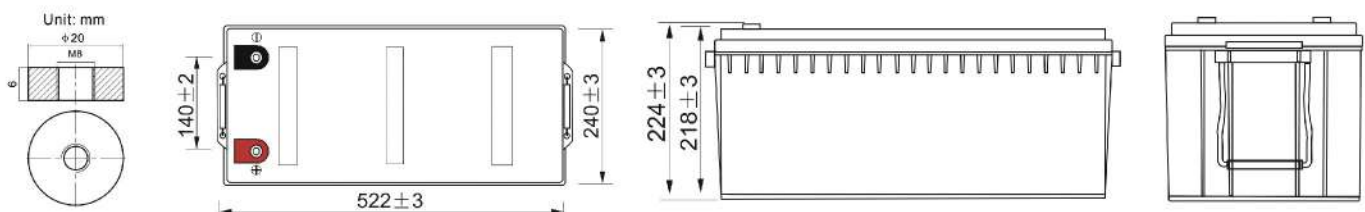
F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	5h	10h	20h
1.80V/cell	340.0	277.3	209.4	180.3	133.6	110.3	65.1	49.2	33.9	20.8	10.94
1.75V/cell	373.5	300.7	237.1	186.4	138.7	113.7	66.9	50.4	34.7	21.0	11.10
1.70V/cell	398.9	324.8	251.7	192.5	143.2	117.0	68.8	51.6	35.4	21.2	11.21
1.65V/cell	425.4	343.3	265.7	201.7	149.2	121.6	70.7	53.0	36.1	21.4	11.37
1.60V/cell	454.6	359.0	280.3	213.2	154.6	125.7	72.7	53.9	36.7	21.5	11.48

Constant Power Discharge (Watts per cell at 25°C/77°F)

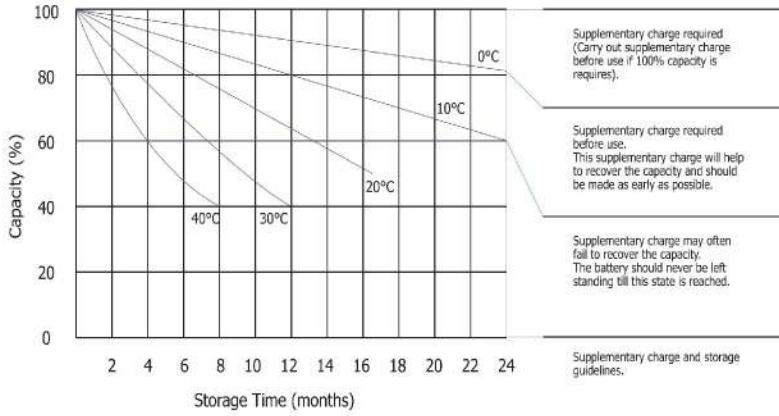
F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	5h	10h	20h
1.80V/cell	635.5	531.4	393.6	335.5	253.9	214.7	125.3	95.4	67.3	40.7	21.73
1.75V/cell	681.1	558.0	445.6	343.4	264.5	219.6	128.6	97.5	68.1	41.1	22.04
1.70V/cell	716.8	587.0	473.3	353.8	273.0	222.6	131.7	99.4	68.9	41.4	22.25
1.65V/cell	750.2	608.7	498.7	372.8	280.9	229.9	134.5	101.2	70.3	41.6	22.43
1.60V/cell	780.8	635.0	514.9	385.2	288.3	237.1	137.2	103.1	71.3	41.9	22.62

Note: The above characteristics data are average values obtained within three charge/discharge cycles, not the minimum values.

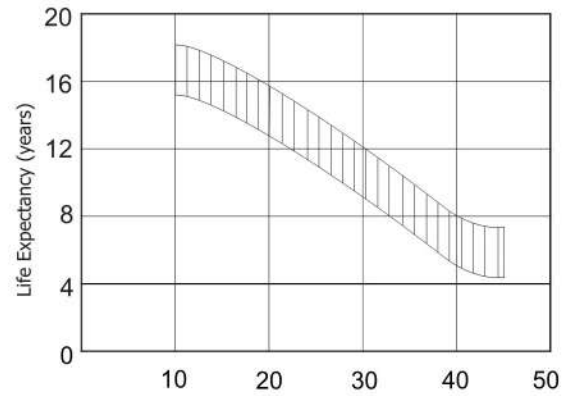
Dimension



Storage Characteristics

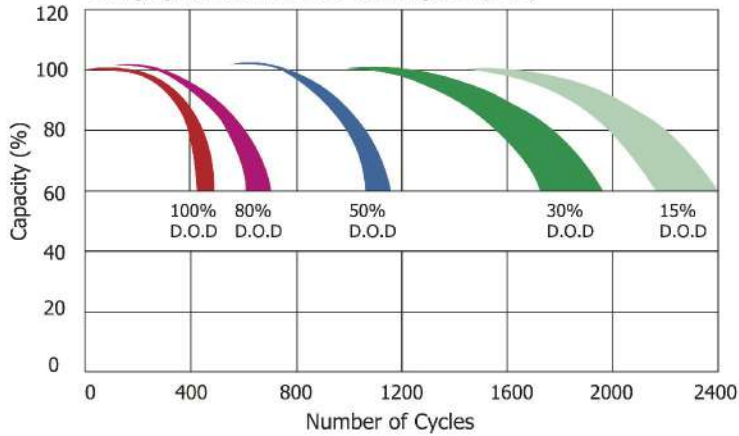


Effect Of Temperature On Float Life

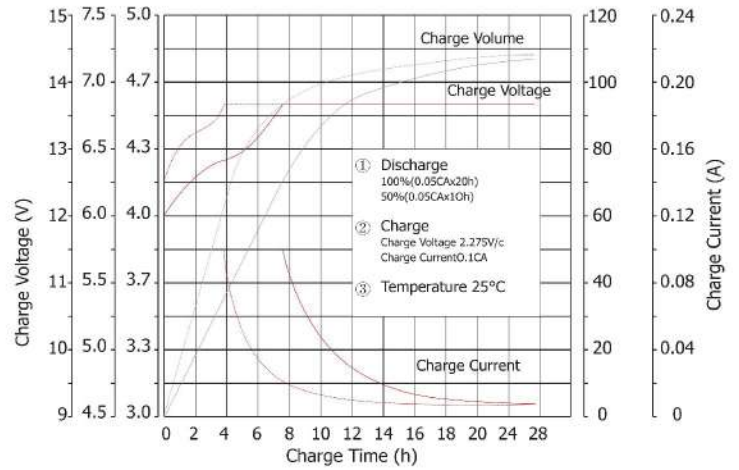


Cycle Life With Depth Of Discharge (D.O.D.)

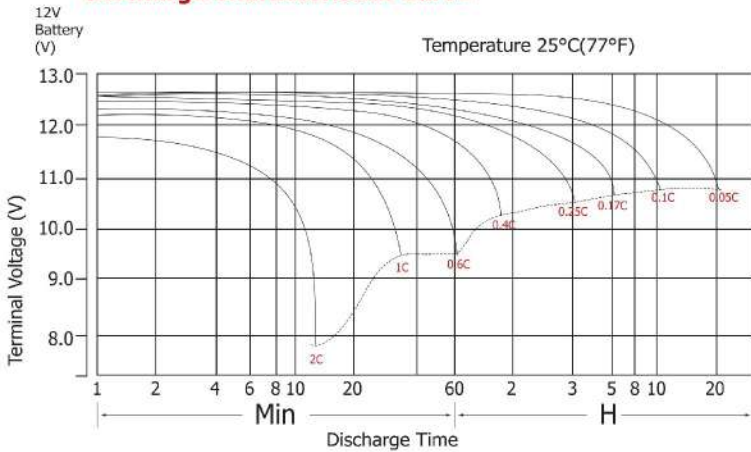
Testing condition
 Discharging: current 0.17C (FV 1.7V/cell);
 Charging: current 0.25C max, voltage 2.45V/cell;
 Charging volume: 125% of discharged capacity



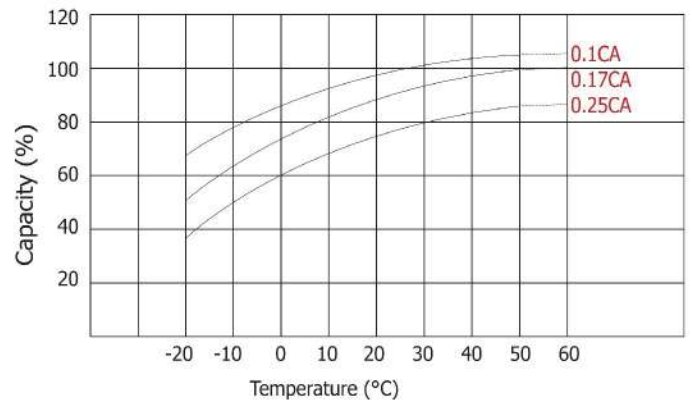
Charge Characteristics Curve For Standby Use



Discharge Characteristics Curve



Temperature Effects With Capacity



Certificates

