



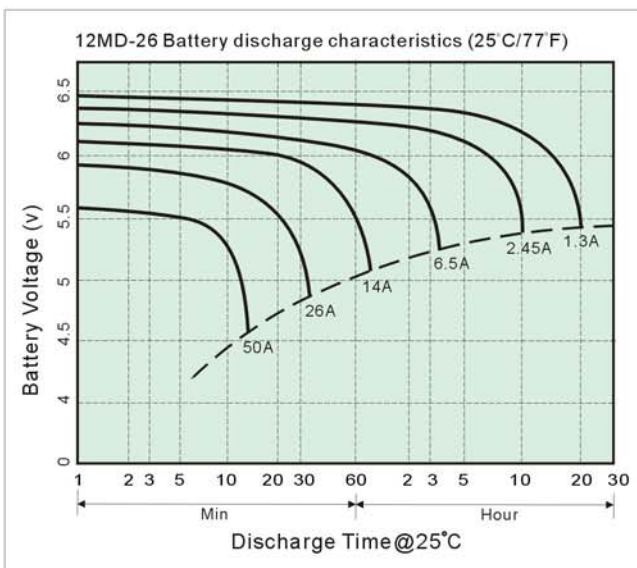
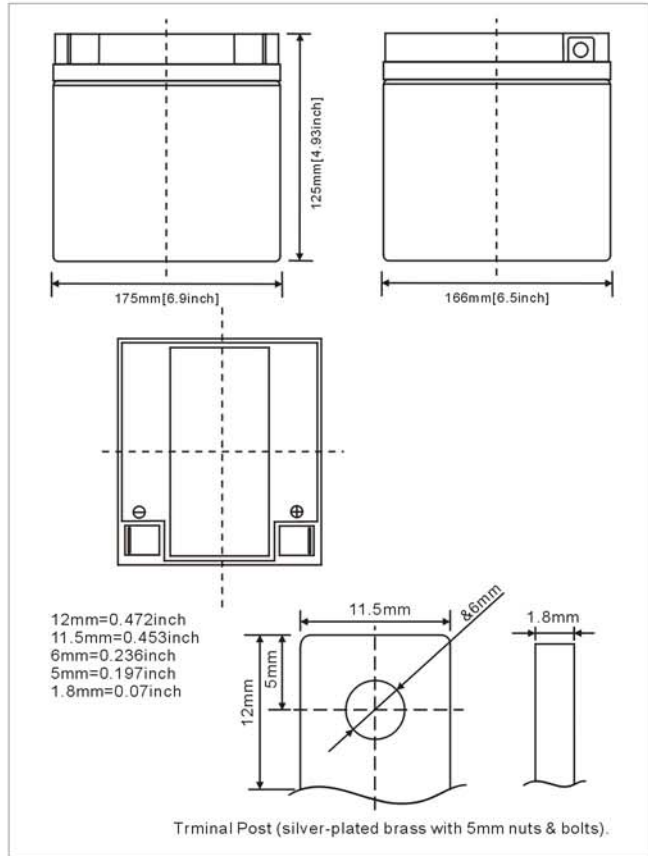
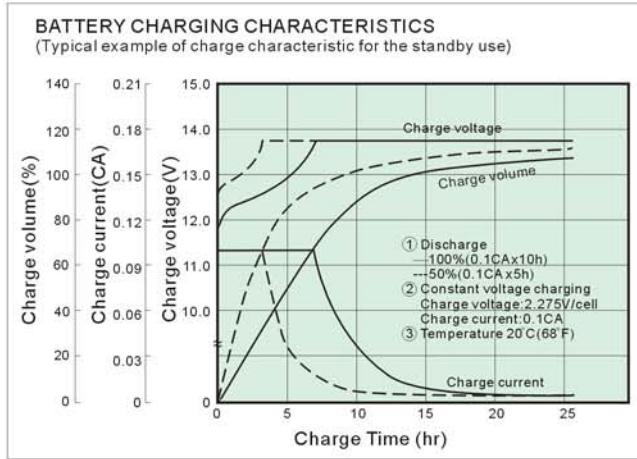
MD SERIES
12MD-26 (12V26AH)

FEATURES

- *Maintenance Free
- *Leak Proof/ Spill Proof
- *Gas Recombination
- *Absorbed Electrolyte
- *Float/ Cycle Use
- *Low Self Discharge Rate
- *Safety Valve
- *Lead Calcium Alloy
- *Useable In Any Position
- *Rugged Design
- *Available Flame Retardant Material(Optional)

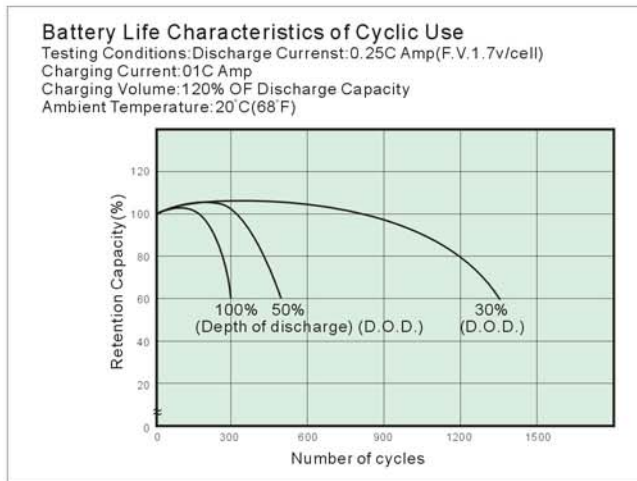
Nominal Voltage		
Rated Capacity (20 Hour Rate)		
Dimensions	Length	175mm (6.9inches)
	Width	166mm (6.5inches)
	Height	125mm (4.93inches)
	Total Height	125mm (4.93inches)
	Weight	9kg(19.8lbs)
Standard Terminals	ST3(standard)	

VRLA 12V26Ah - Specifications				
Nominal Voltage	Rated Capacity @20hr rate	Maximum Charge Rate	Maximum Discharge- Amps 5sec.	Internal Resistance
12V	26Ah	5Amps	288Amps	12Mili Ohms
Capacity@ 77 F(25 C)	26.00Ah @ 20 hour rate (1.30A) to 1.75 volts per cell			
	24.00Ah @ 10 hour rate (2.40A) to 1.75 volts per cell			
	22.80Ah @ 5 hour rate (4.56A) to 1.75 volts per cell			
	20.70Ah @ 3 hour rate (6.90A) to 1.75 volts per cell			
	17.50Ah @ 1 hour rate (17.50A) to 1.75 volts per cell			
Operating Temperature Range	Discharge	-4° F (-20° C) to +140° F (60° C)		
	Charge	14° F (-10° C) to +122° F (50° C). (with temperature compensation)		
Recommeded Operating Temperature Range	+68° F (20° C)to + 77° F (25° C)			
Charging (Constant Voltage)	Cycle use	Initial Current7.8Amps (recommended). Voltage 14.5-14.9Volts @77° F (25° C)		
	Float use	Voltage13.6-13.8Volts @77° F (25° C)		
Self Discharge @ 77° F (25° C)	Capacity after 3 month storage	90%		
	Capacity after 6 month storage	80%		
	Capacity after 12 month storage	60%		
CCB Battery may be stored for up to 12 months at 77° F(25° C) and then a freshing charge is required. For higher temperatures the time interval will be shorter.				
Capacity affected by Temperature (20 hour rate)	104° F (40° C)	102%		
	77° F (25° C)	100%		
	32° F (0° C)	85%		
	58° F (-15° C)	65%		
Charge Method (Constant Voltage)	Cycle use (Repeating use)	Initial current	1.36 A or smaller	
		Control voltage	14.5V to 14.9V	
	Trickle use	Initial current	0.51 A or smaller	
		Control voltage	13.6V to 13.8V	



Constant power discharge characteristics at 25°C/77°F

End V/cell	Discharge time							
	5Min	10Min	15Min	30Min	1Hr	3Hr	5Hr	10Hr
1.75V	162	110	84	46	25.5	12.3	7.6	4.3
1.70V	170	113	86	47	26	13	8.1	4.5
1.60V	179	116	87	48	27.5	13.4	8.5	4.8



Charging Procedure

Application	Charging method	Charging Voltage at 20°C (V/cell)	Temperature compensation coefficient of charging voltage (mV/°C/cell)	Max. charging current (CA)	Charging time 0.1CA, 20°C (h)		Temp (°C)
					100% discharge	50% discharge	
For standby power Source	Constant voltage & Constant current charging	2.25~2.30	-3	0.3	24	20	0~40 (32~104°F)
For cycle service	(with current restriction)	2.40~2.0	-4	0.3	16	10	

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