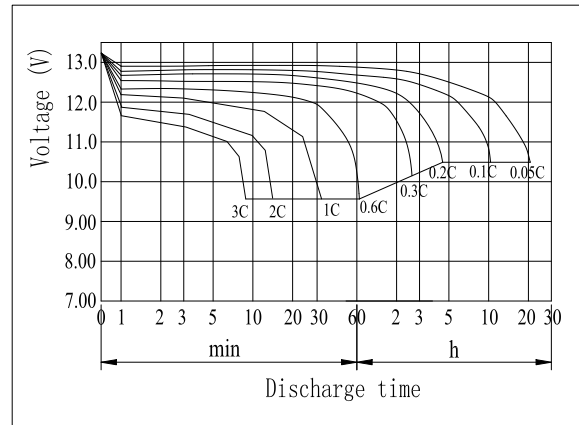


Dimensions: ACDelco MF Battery (N200HSMF)

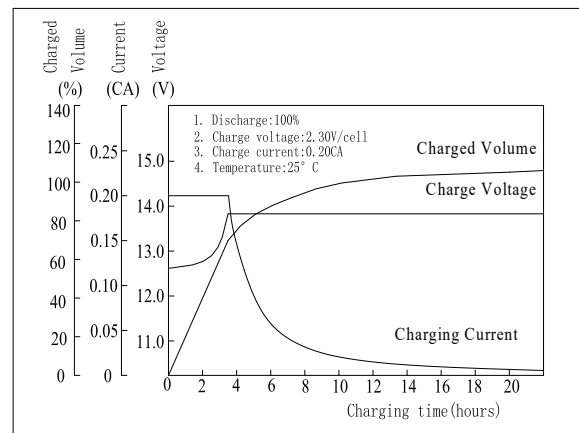
Specifications

Nominal Voltage		12 V
Capacity(20HR, 25°C)		220 Ah
Dimension	Length	509mm (20.03inch)
	Width	274mm (10.79inch)
	Height	218mm (8.58inch)
	Total Height	240mm (9.45inch)
Approx. Weight		61kg (121lbs)
Internal resistance (Fully charged, 25°C)		Approx. 3m Ω
Capacity affected by temperature (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C ± 3°C (77°F ± 5°F)
Operating temperature range		-15°C ~ 50°C (5°F ~ 122°F)
Float charging voltage(25°C)		13.50 to 13.80V
Cyclic charging voltage(25°C)		14.50 to 14.90V
Maximum charging current		60A
Terminal material		Lead
Maximum discharge current		1600A(5 sec.)

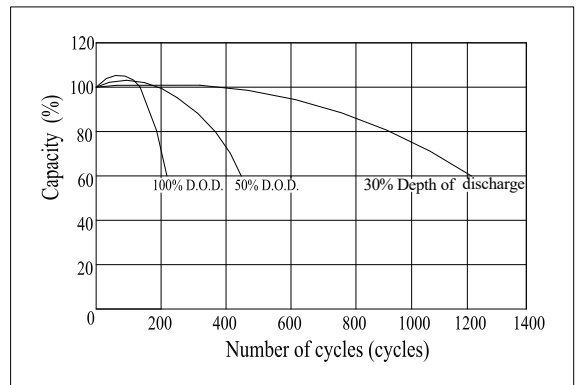
- ◆ Lead Calcium technology;
- ◆ Recognized by UL & CE;
- ◆ Flame retardant PP container (UL94V-0/ 94V-2).



Charging Characteristics(25°C)



Cycle Life(25°C)



Note: Floating life at 25°C designed for 7 to 10 years.

Discharge Characteristics(25°C)

Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	650	430	370	210	130	55.0	38.2	20.8	10.7
10.2V	630	405	340	195	122	53.5	37.0	20.5	10.5
10.8V	565	360	300	175	110	50.0	33.5	20.0	10.2

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	7400	4900	4218	2415	1508	655	457	249	128
10.2V	7170	4610	3875	2241	1415	638	442	245	126
10.8V	6430	4100	3420	2010	1275	596	400	239	122