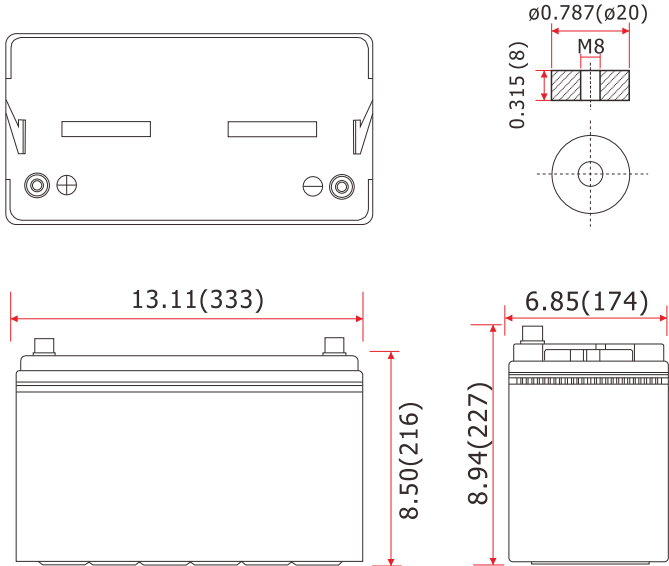
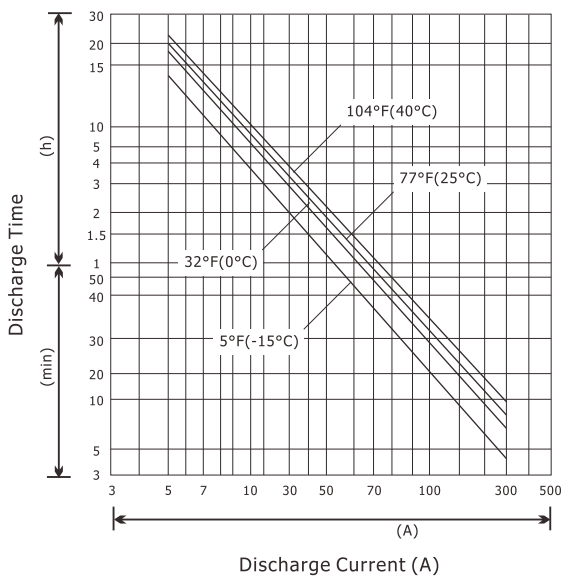


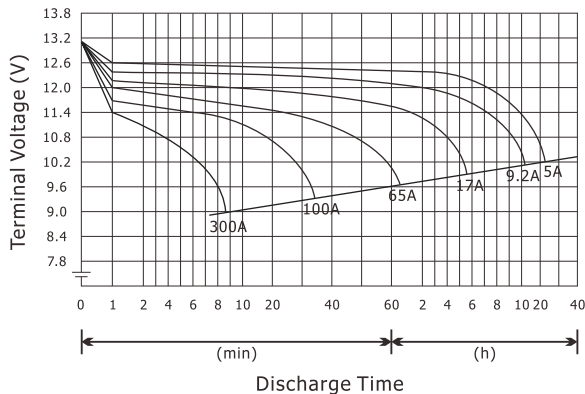
Unit: inch(mm)



Discharge Current and Discharge Duration Time



Discharge Curves 77°F(25°C)



Specification

Nominal Voltage	12V	
Rated Capacity (20hr Rate)	100Ah	
Dimensions	Length	13.11inches (333mm)
	Width	6.85inches (174mm)
	Height	8.50inches (216mm)
	Total Height	8.94inches (227mm)
Weight	Approx. 65.70lbs (29.8kg)	
Characteristics		
Capacity 77°F(25°C)	20hour rate (5.0A)	100Ah
	10hour rate (9.2A)	92Ah
	5hour rate (17.0A)	85Ah
	1hour rate (65.0A)	65Ah
Internal Resistance	Full Charged, 77°F(25°C)	5mΩ
Capacity Affected By Temperature (10hr Rate)	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
	5°F(-15°C)	65%
Self-Discharge 77°F(25°C)	Capacity after 3 month storage	90%
	Capacity after 6 month storage	80%
	Capacity after 9 month storage	60%
Charge (Constant Voltage)	Initial Charge Current "LESS" than 30A	
	Cycle	14.4-15.0V/77°F(25°C)
	Stand By	13.5-13.8V/77°F(25°C)
Designed Floating Life (77°F/25°C)	10 Years	

**These data are average values obtained from three Charge/Discharge cycles. Note: These are NOT minimum values.

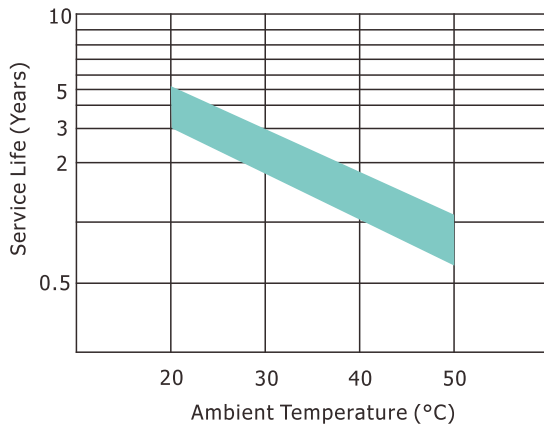
Constant Current Discharge Characteristics Unit: A (25°C / 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	5HR	8HR	10HR	20HR
9.6V	374	256	192	117	69.2	39.6	28.8	18.5	12.2	10.1	5.5
10.0V	345	242	183	113	68.1	38.8	28.4	18.1	12.0	9.8	5.4
10.2V	330	234	178	110	67.3	38.2	28.1	18.0	11.9	9.7	5.3
10.5V	303	220	170	107	65.9	37.6	27.6	17.7	11.7	9.6	5.2
10.8V	274	204	161	103	64.5	36.7	27.1	17.3	11.4	9.4	5.1
11.1V	240	183	148	99	63.4	36.2	26.2	17.0	11.2	9.3	4.8

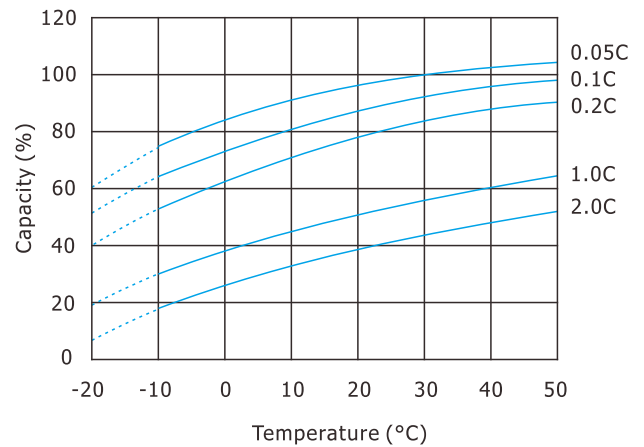
Constant Power Discharge Characteristics Unit: W (25°C / 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	5HR	8HR	10HR	20HR
9.6V	4022	2832	2218	1357	792	449	328	215	141	117	60.5
10.0V	3696	2662	2087	1318	779	443	320	211	138	112	60.1
10.2V	3510	2572	2026	1295	767	437	316	207	137	110	59.4
10.5V	3232	2408	1918	1257	752	428	310	202	134	109	58.9
10.8V	2915	2216	1812	1206	734	419	303	197	130	106	58.3
11.1V	2590	2011	1696	1152	711	410	296	192	128	103	55.3

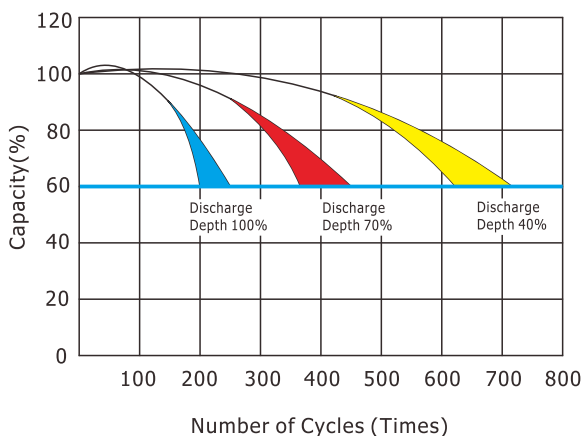
Trickle / Float Service Life



Effect of Temperature on Capacity



Cycle Service Life (@25°C/77°F)



Capacity Retention Characteristic

