

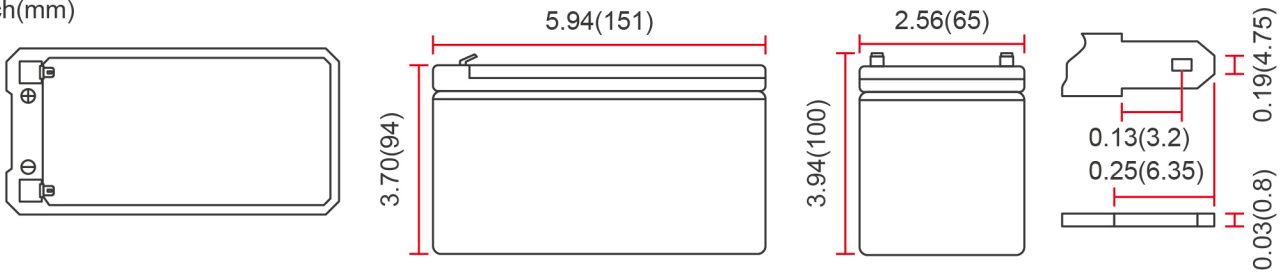
APB-1290



- > GEL Battery
- > High Rate Battery
- > Deep-Cycle Battery
- > Value Regulated Lead-Acid Battery
- > Maintenance Free Lead-Acid Battery
- > No Electrolyte Leakage
- > Ensure Safe and Efficient Operation

Dimension

Unit: inch(mm)



Specifications

Nominal Voltage	12V	
Rated Capacity (20hr Rate)	9Ah	
Dimensions	Length	5.94inches (151mm)
	Width	2.56inches (65mm)
	Height	3.70inches (94mm)
	Total Height	3.94inches (100mm)
Weight	Approx. 5.29lbs (2.40kgs)	

Characteristics

Capacity 77°F(25°C)	20hour rate (0.45A)	9.0Ah
	10hour rate (0.83A)	8.3Ah
	5hour rate (1.53A)	7.7Ah
	1hour rate (5.85A)	5.9Ah
Internal Resistance	Full Charged, 77°F(25°C)	25mΩ
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 2.70A	
	Cycle	14.6-15.0V/77°F(25°C)
	Stand By	13.6-13.9V/77°F(25°C)

Applications



Uninterruptible Power Supply



Telecom



Emergency Lighting



Security System

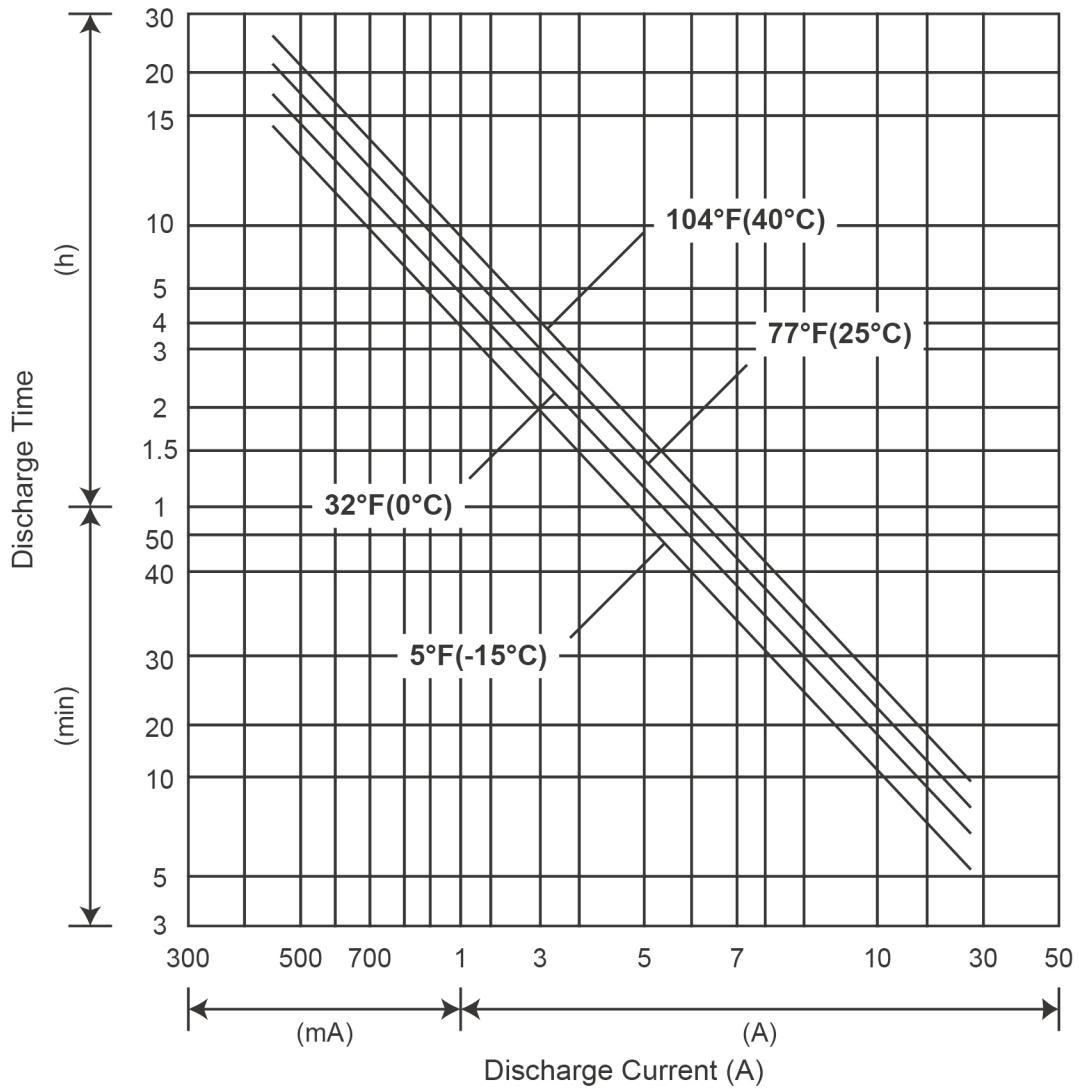


Instrumentation

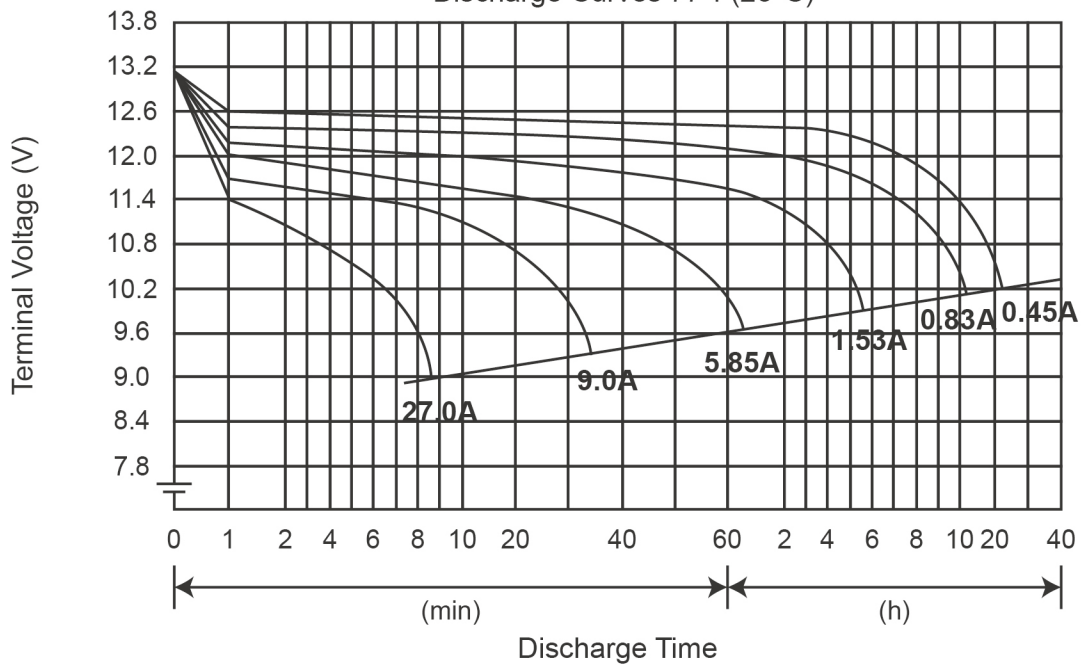


Solar Powered System

Discharge Current and Discharge Duration Time



Discharge Curves 77°F(25°C)



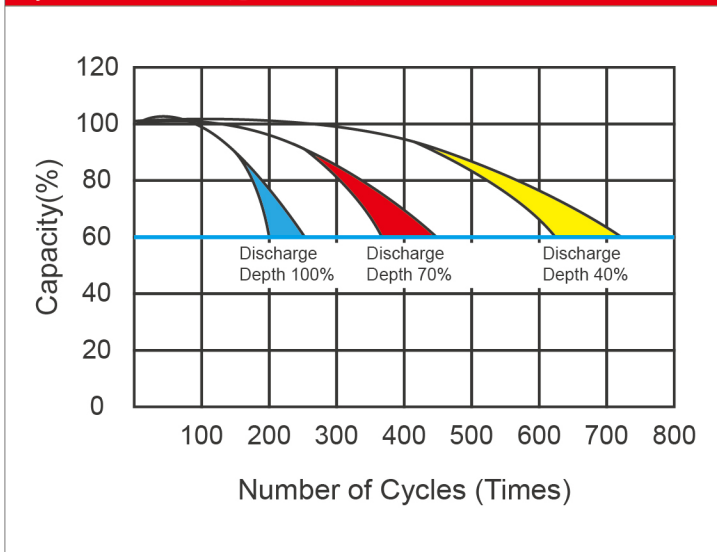
Constant Current Discharge Characteristics Unit:A(25°C,77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	5HR	8HR	10HR	20HR
9.6V	33.5	23.0	17.3	10.5	6.5	3.52	2.57	1.64	1.09	0.89	0.48
10.0V	31.0	21.7	16.5	10.2	6.3	3.45	2.53	1.62	1.07	0.87	0.47
10.2V	29.7	21.1	16.0	10.0	6.1	3.40	2.5	1.61	1.06	0.86	0.46
10.5V	27.3	19.8	15.3	9.6	5.9	3.35	2.46	1.59	1.04	0.85	0.45
10.8V	24.7	18.4	14.4	9.3	5.8	3.27	2.41	1.54	1.02	0.84	0.44
11.1V	21.6	16.5	13.2	8.9	5.7	3.21	2.32	1.51	1.0	0.83	0.43

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	360	255	200	122	71.3	39.9	29.2	19.1	12.6	10.2	5.4
10.0V	332	239	188	119	69.8	39.4	28.5	18.7	12.3	10.0	5.3
10.2V	316	231	182	117	69	38.9	28.2	18.4	12.2	9.9	5.2
10.5V	291	217	173	113	67.7	38.1	27.6	18.1	11.9	9.7	5.2
10.8V	262	199	162	109	66.1	37.3	26.9	17.6	11.6	9.4	5.1
11.1V	233	181	152	104	64	36.4	26.2	17.1	11.3	9.2	4.9

Cycle Service Life (@25°C/77°F)



Capacity Retention Characteristic

