



PROTEUS

12V180Ah

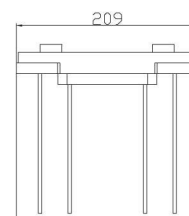
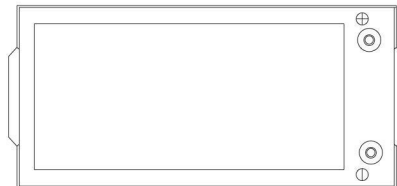
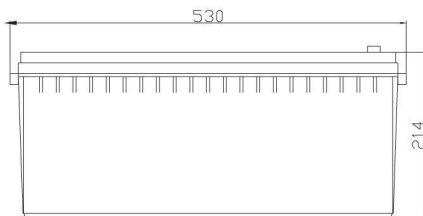
PROTEUS is AGM Deep cycle battery with 10 years floating design life, specially designed for frequent cyclic discharge usage. By using strong grid and specific paste plate, it makes battery have 30% more cyclic life time than standby series. It is applicable for solar energy system, golf cart, electric wheelchair, etc..

Specification

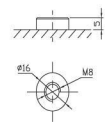
Cells Per Unit	6
Voltage Per Unit	12
Capacity	180Ah@10hr-rate to 1.75V per cell @25°C
Weight	Approx. 49 Kg
Max. Discharge Current	1800 A (5 sec)
Internal Resistance	Approx. 4 mΩ
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Normal Operating Temperature Range	25°C±5°C
Float charging Voltage	13.6 to 13.8 VDC/unit Average at 25°C
Recommended Maximum Charging Current Limit	54 A
Equalization and Cycle Service	14.6 to 14.8 VDC/unit Average at 25°C
Self Discharge	batteries can be stored for more than 6 months at 25°C. Self-discharge ratio less than 3% per month at 25°C. Please charge batteries before using.
Terminal	Terminal F12
Container Material	A.B.S. (UL94-HB) , Flammability resistance of UL94-V1 can be available upon request.

Dimensions

Unit: mm Dimension: 530(L)×209(W)×214(H)



Terminal F12



Constant Current Discharge Characteristics: A (25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	620.4	444.6	323.5	198.7	112.3	64.12	45.10	37.32	29.38	21.46	18.15	9.598
10.0V	603.8	423.0	316.8	195.4	111.8	63.64	44.93	37.15	29.20	21.29	17.97	9.424
10.2V	569.0	408.1	311.9	193.7	110.8	63.16	44.58	36.98	29.03	21.12	17.80	9.249
10.5V	510.9	376.6	296.9	188.9	109.7	62.67	44.41	36.63	28.68	20.94	17.63	9.075
10.8V	461.2	343.4	273.7	180.6	107.1	61.55	43.20	35.77	28.17	20.59	17.45	8.900
11.1V	401.4	306.9	245.5	169.2	101.8	58.82	41.30	34.04	26.96	19.72	16.93	8.377

Constant Power Discharge Characteristics: W (25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	5909	4321	3181	2243	1285	737.6	520.5	431.3	340.1	249.1	204.1	107.8
10.0V	5788	4127	3115	2215	1278	734.7	519.4	430.3	338.0	248.0	202.0	106.7
10.2V	5464	3990	3073	2189	1269	728.0	516.3	428.2	337.0	245.9	200.9	105.7
10.5V	4920	3686	2930	2139	1257	721.2	513.2	425.1	333.8	243.8	198.8	104.7
10.8V	4426	3347	2692	2041	1225	710.6	500.8	413.7	328.7	238.6	196.8	103.6
11.1V	3820	2973	2404	1913	1161	677.8	475.9	394.0	312.1	230.2	190.5	99.42

All mentioned values are average values.