



RA 12-100D (12V100Ah)



SOLIFANT RA 12-100D is AGM deep cycle type, especially designed for cyclic use. By using strong grid and specific alloy, this series battery have excellent performance on 1- 5 hrs large current discharge and up to 40% more life time than

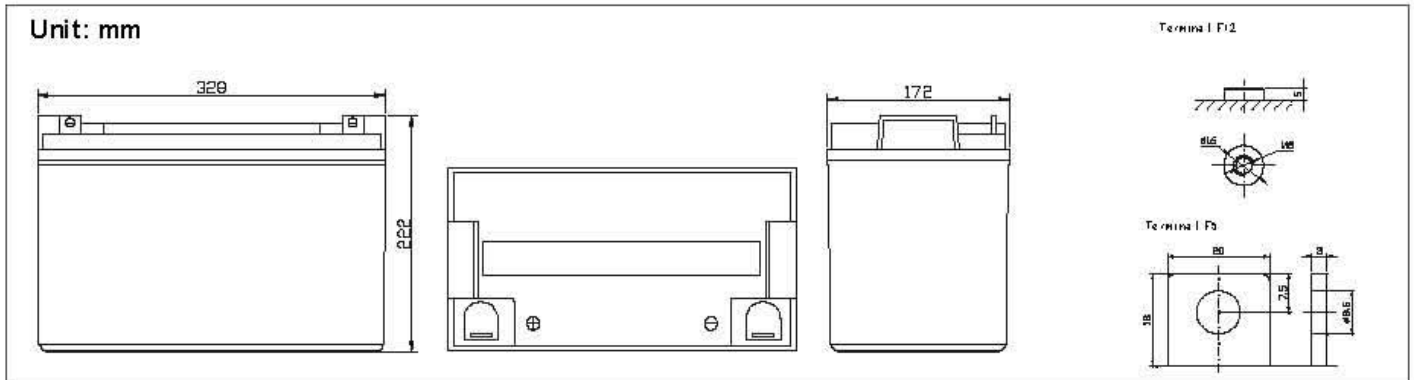


Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	100Ah@ 10hr-rate to 1.75V per cell @25°C
Weight	Approx. 32 Kg
Max. Discharge Current	500 A (5 sec)
Internal Resistance	Approx. 5 m Ω
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	30 A
Equalization and Cycle Service	14.4 to 15.0 VDC/unit Average at 25°C
Self Discharge	Solifant batteries can be stored for more than 6 months at 25°C. Please charge batteries before using. For higher temperature, the time interval will be shorter.
Terminal	Faston F5/F12
Container Material	A.B.S. (UL94-HB) Flammability resistance of UL94-V1 can be available upon request.



Dimensions



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

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	374	268	195	115	65.0	39.9	26.1	21.6	17.0	12.3	10.4	5.5
1.67V	364	255	191	113	64.7	39.6	26.0	21.5	16.9	12.2	10.3	5.4
1.70V	343	246	188	112	64.1	39.3	25.8	21.4	16.8	12.1	10.2	5.3
1.75V	308	227	179	109	63.5	39.0	25.7	21.2	16.6	12.0	10.1	5.2
1.80V	278	207	165	105	62.0	38.3	25.0	20.7	16.3	11.8	10.0	5.1
1.85V	242	185	148	98	58.9	36.6	23.9	19.7	15.6	11.3	9.7	4.8

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

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	671	490	361	216	123.9	76.5	50.2	41.6	32.8	23.8	19.5	10.3
1.67V	657	468	354	214	123.3	76.2	50.1	41.5	32.6	23.7	19.3	10.2
1.70V	620	453	349	211	122.4	75.5	49.8	41.3	32.5	23.5	19.2	10.1
1.75V	558	418	333	206	121.2	74.8	49.5	41.0	32.2	23.3	19.0	10.0
1.80V	502	380	306	197	118.2	73.7	48.3	39.9	31.7	22.8	18.8	9.9
1.85V	434	337	273	185	112.0	70.3	45.9	38.0	30.1	22.0	18.2	9.5

All mentioned values are average values.