



Battery Specification Sheet

SLA1041

Technical Specifications

Nominal Voltage	12 V
Nominal Capacity	3 Ah (20 Hr Rate)
Chemistry	Lead Acid - AGM

Physical Specifications

Length:	134 mm	5.28 in.
Width:	67 mm	2.64 in.
Height:	60 mm	2.34 in.
Height w/ Terminal:	66 mm	2.58 in.
Weight	1.3 Kg	2.86 lbs
Terminal Type	.187" Faston	
Case Material	Black ABS	



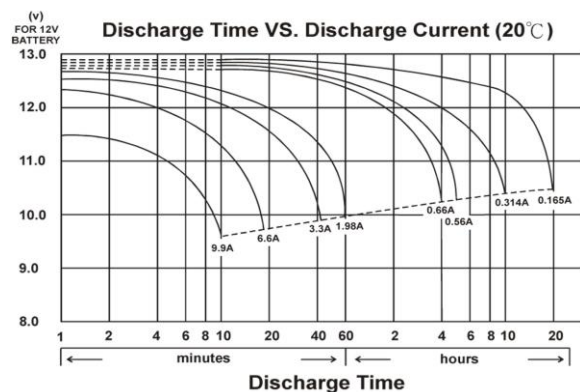
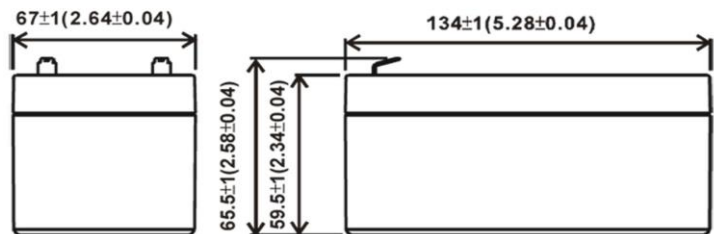
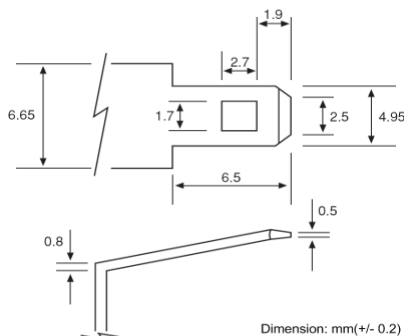
Charging Specifications

	Bloc	Per Cell
Charge Voltage	Float 13.5~13.8	2.25~2.30
(constant)	Cycle 14.4~15.0	2.40~2.50
Max. Charge Current		0.9 A

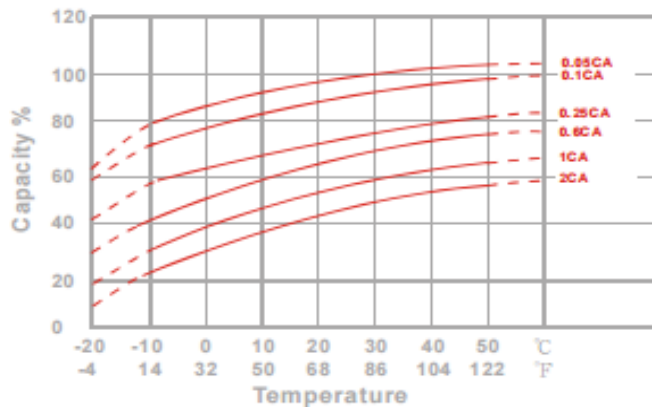
Due to changes in the manufacturing processes, specifications are subject to change without notice

Capacity Specifications

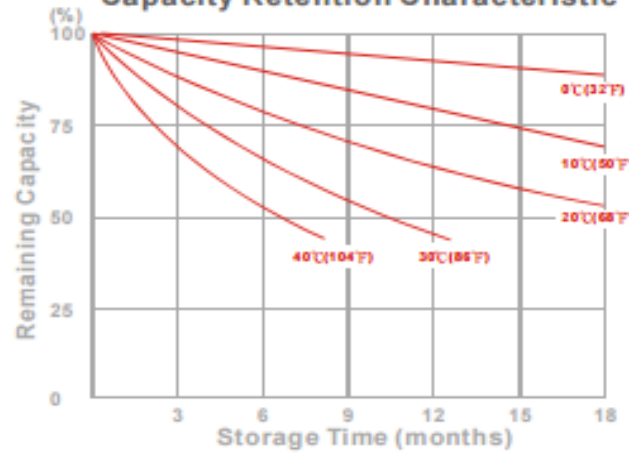
Cut-off Voltage	20 Hr (.17A)	3.3 Ah
1.75 volts/cell @ 25°C	10 Hr (.16A)	3.14 Ah
1.70 volts/cell @ 25°C	5 Hr R (.56A)	2.8 Ah
Discharge Current		120 A
(5 seconds maximum)		
Discharge Current		60 A
(30 second maximum)		
Self Discharge	6 months @ 21°C	
(to 80% capacity)		
Internal Resistance		34 mΩ



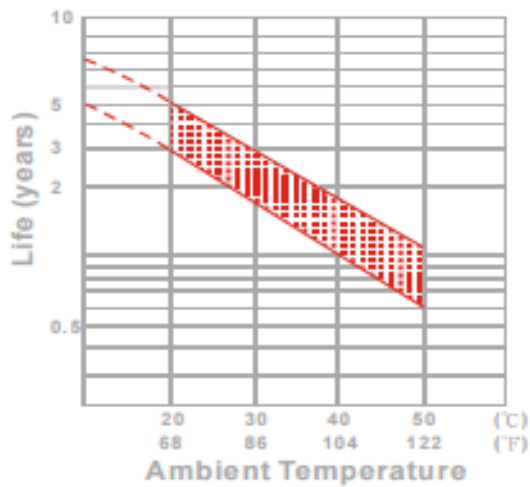
Effect of Temperature on Capacity 25°C(77°F)



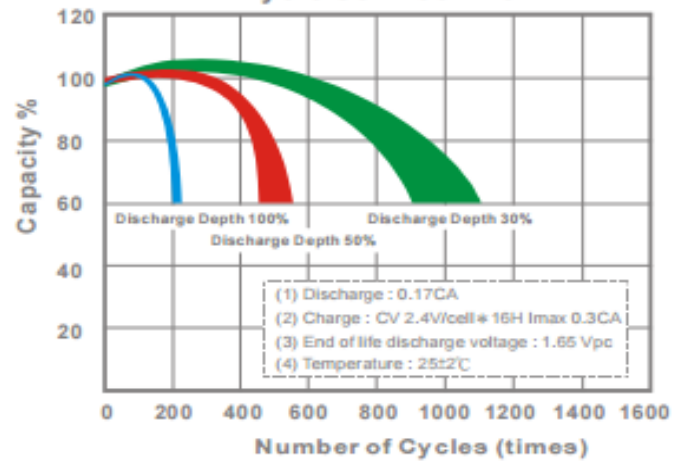
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	94.2	106	114	121	125	128	132
10	min	68.1	74.7	80.1	84.1	86.2	87.9	90.0
15	min	51.8	57.6	60.5	63.7	65.3	67.0	69.1
30	min	30.2	33.1	34.9	37.1	37.9	38.6	39.2
60	min	17.3	19.2	20.6	21.8	22.4	22.8	23.3
120	min	10.2	11.1	11.9	12.7	13.1	13.5	14.1
180	min	7.62	8.73	9.34	9.76	9.94	10.2	10.6
240	min	5.81	6.53	7.02	7.26	7.39	7.61	7.95
300	min	4.94	5.55	5.97	6.17	6.28	6.41	6.62
600	min	3.28	3.49	3.58	3.65	3.69	3.72	3.77
1200	min	1.79	1.85	1.90	1.92	1.93	1.95	1.98

- Discharge Rates in Amperes to Various End Voltages at 25°C(77°F)

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	7.95	9.24	10.3	11.1	11.5	12.0	12.6
10	min	5.87	6.52	7.07	7.46	7.62	7.79	8.08
15	min	4.49	5.03	5.37	5.71	5.86	6.02	6.23
30	min	2.56	2.87	3.03	3.10	3.12	3.14	3.17
60	min	1.54	1.72	1.81	1.88	1.92	1.94	1.99
120	min	0.945	0.993	1.04	1.08	1.10	1.12	1.15
180	min	0.679	0.718	0.752	0.786	0.807	0.826	0.861
240	min	0.556	0.581	0.604	0.625	0.634	0.646	0.663
300	min	0.472	0.493	0.511	0.526	0.533	0.542	0.554
600	min	0.273	0.289	0.301	0.306	0.308	0.311	0.313
1200	min	0.147	0.154	0.158	0.161	0.163	0.165	0.167