

SA12-9

12V 9AH

AGM Valve Regulated Lead Acid Battery

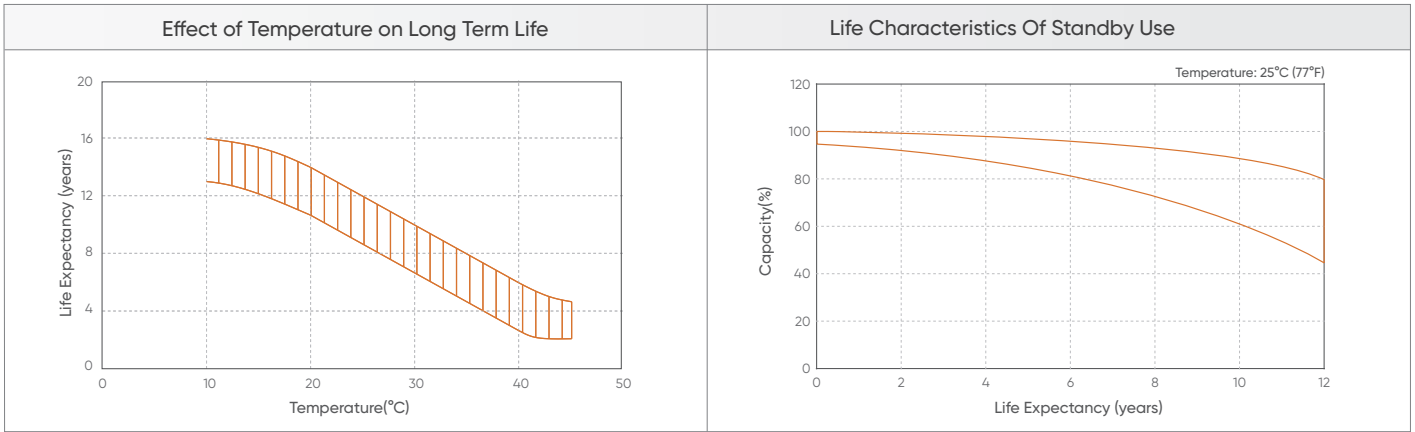
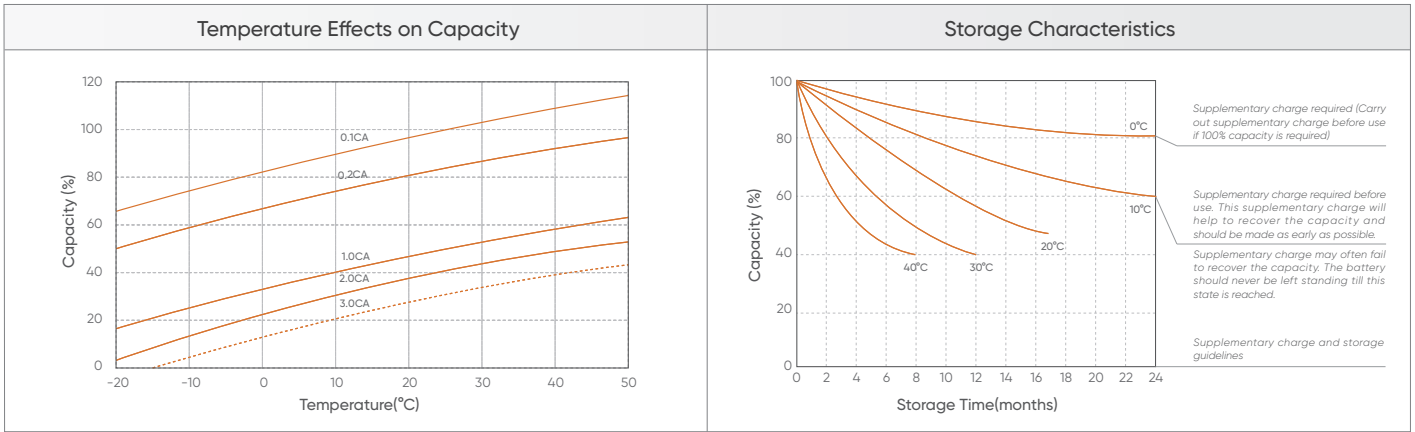
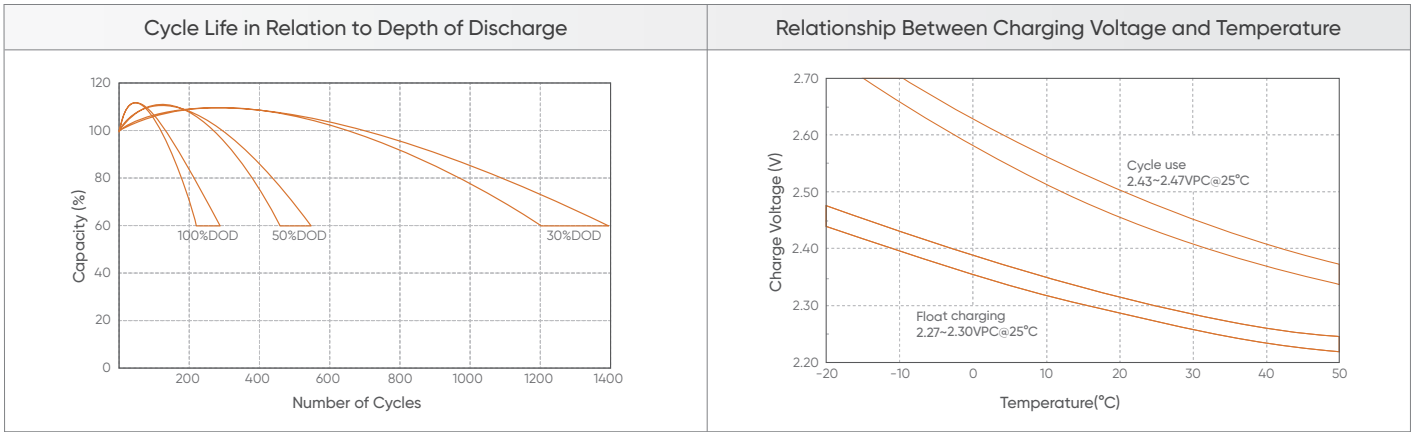
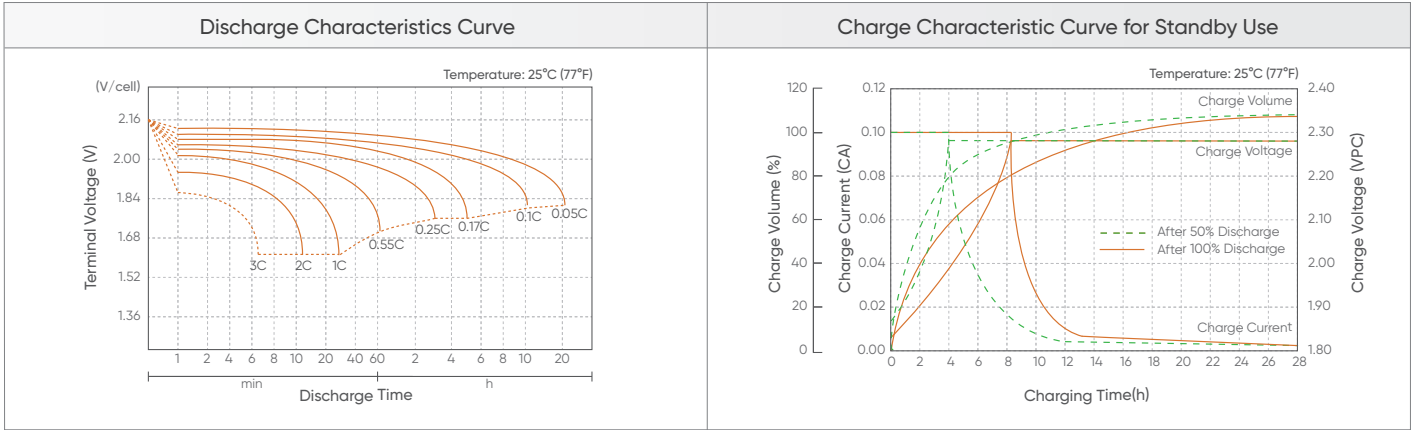
SA series is a general purpose battery with 8 years design life in float service. It meets with IEC, JIS, BS, GB/T and YD/T standards. With advanced AGM valve regulated technology and high purity raw material, the SA series battery maintains high consistency for better performance and reliable standby service life. It is suitable for UPS/EPs, telecom, power grid, medical equipment, emergency light and security system applications.



Specification		Dimensions
Cells Per Unit	6	<p>Length 151±1.5mm (5.94 inches)</p> <p>Width 65±1mm (2.56 inches)</p> <p>Height 94±1mm (3.70 inches)</p> <p>Total Height 100±1mm (3.94 inches)</p> <p>Terminal M5 Value 6-7 N*m</p> <p>Terminal M6 Value 8-10 N*m</p> <p>Terminal M8 Value 10-12 N*m</p>
Voltage Per Unit	12	
Capacity	9Ah@20hr-rate to 1.75V per cell @25°C	
Weight	Approx. 2.3Kg (Tolerance ±3.0%)	
Internal Resistance	Approx. 22mΩ	
Terminal	F1 / F2	
Max. Discharge Current	90A (5 sec)	
Short Circuit Current	450A	
Design Life	8 years (Float charging)	
Maximum Charging Current	2.7 A	
Reference Capacity	C3 6.96AH C5 7.85AH C10 8.41AH C20 9.00AH	
Standby Use Voltage	13.7V~13.9V @25°C Temperature Compensation: -3mV/°C/Cell	
Cycle Use Voltage	14.6V~14.8V @25°C Temperature Compensation: -4mV/°C/Cell	
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	
Self Discharge	SunArk Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge rate is less than 3% at 25°C. Please charge batteries before using.	
Container Material	A.B.S. UL94-HB, UL94-V0 Optional	

Constant Current Discharge Characteristics: A (25°C)												
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	35.17	24.62	17.62	10.12	5.499	3.376	2.538	2.049	1.698	1.093	0.887	0.469
1.65V	32.71	23.26	16.85	9.716	5.310	3.268	2.460	1.994	1.654	1.080	0.877	0.461
1.70V	29.51	21.41	15.78	9.287	5.137	3.161	2.393	1.939	1.611	1.064	0.863	0.456
1.75V	26.44	19.60	14.68	8.876	4.950	3.050	2.321	1.890	1.570	1.049	0.852	0.450
1.80V	23.21	17.74	13.56	8.484	4.760	2.941	2.250	1.835	1.530	1.031	0.841	0.446
1.85V	18.43	14.50	11.25	7.307	4.270	2.695	2.080	1.706	1.426	0.968	0.792	0.423

Constant Current Discharge Characteristics: A (25°C)												
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	58.30	41.84	30.80	18.38	10.33	6.399	4.848	3.934	3.273	2.134	1.744	0.923
1.65V	54.85	40.30	29.89	17.83	10.04	6.225	4.718	3.842	3.200	2.114	1.726	0.909
1.70V	50.61	37.78	28.41	17.22	9.770	6.053	4.610	3.751	3.127	2.087	1.702	0.899
1.75V	46.35	35.21	26.82	16.62	9.470	5.868	4.491	3.669	3.059	2.062	1.681	0.890
1.80V	41.57	32.43	25.12	16.05	9.161	5.687	4.369	3.577	2.991	2.031	1.662	0.882
1.85V	33.69	26.97	21.14	13.96	8.267	5.239	4.057	3.337	2.798	1.911	1.567	0.838



(Note) All above information shall be changed without prior notice, SunArk reserves the right to explain and update the latest information.