



OBS125 (12V 5Ah)

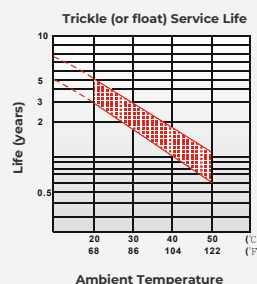
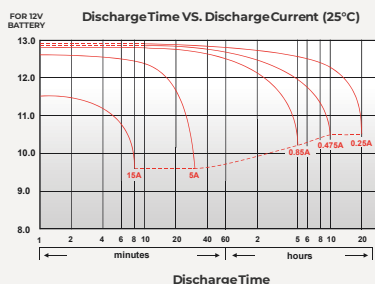
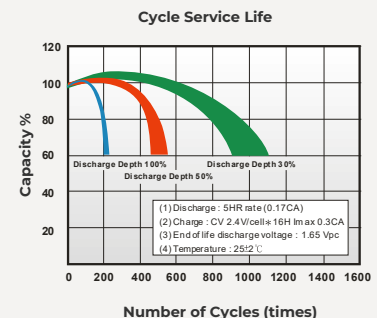
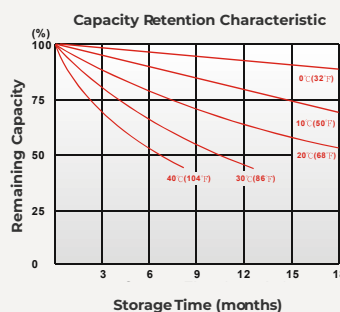
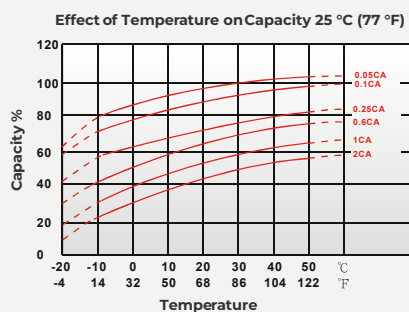
VRLA - AGM Battery

OSONIX battery (pure lead) with AGM thin plate technology gives greater surface area to produce the required energy, higher cycle performance on charging / discharging and long life.



SPECIFICATIONS Design according with IEC60896, IEC61056

Nominal Voltage			12V	Operating Temperature Range	
Nominal Capacity				Charge	-15°C(5°F) to 40°C(104°F)
20 hour rate	(0.25A to 10.50V)	5Ah		Discharge	-15°C(5°F) to 50°C(122°F)
10 hour rate	(0.475A to 10.50V)	4.75Ah		Storage	-15°C(5°F) to 40°C(104°F)
5 hour rate	(0.85A to 10.20V)	4.25Ah		Charge Retention (shelf life) at 20°C (68°F)	
1 C	(5A to 9.60V)	2.67Ah		1 month	92%
3 C	(15A to 9.60V)	1.75Ah		3 month	90%
Weight			1.62Kg (3.56lb)	6 month	80%
Internal Resistance (at 1KHz)			34 mΩ	Case material (comply with flame retardant)	
Maximum Discharge Current for				Design Life	5 Years
5 seconds		75A		Terminal	F2 - Faston Tab250
Charging Methods at 25°C (77°F)					
Maximum Charging Current			1.5A		
Standby use:					
Float Charging Voltage			13.5 to 13.8V		
Coefficient-3.0mV /°C / cell					



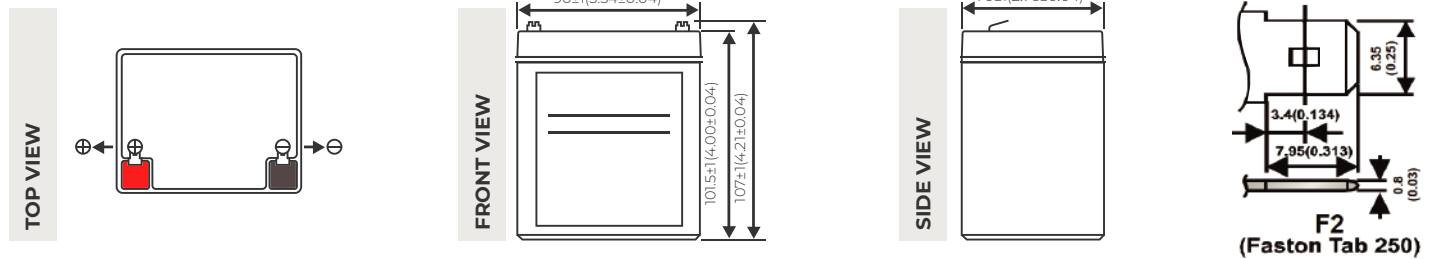
Compliance with:
 IEC 60896, IEC 61056 standard
 CE, UL1989, UL94 HB certification
 ISO 9001, ISO 14001 certified production



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DIMENSIONS



PERFORMANCE DATA

DISCHARGE RATES IN WATTS 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
5 min	22.7	25.7	27.8	29.8	30.7	31.7	32.8
10 min	16.4	18.7	20.0	21.0	21.3	21.8	22.3
15 min	13.3	14.8	15.4	15.8	16.0	16.1	16.3
30 min	7.78	8.73	9.08	9.43	9.53	9.65	9.77
60 min	4.38	4.95	5.32	5.62	5.68	5.78	5.87
120 min	2.70	2.97	3.10	3.20	3.25	3.32	3.38
180 min	2.12	2.30	2.40	2.47	2.50	2.55	2.60
240 min	1.72	1.85	1.93	1.98	2.02	2.03	2.07
300 min	1.53	1.64	1.68	1.72	1.73	1.75	1.78
600 min	0.950	1.01	1.03	1.05	1.07	1.09	1.10
1200 min	0.490	0.518	0.538	0.552	0.555	0.562	0.568

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
5 min	14.9	17	18.3	18.8	19.0	19.2	19.4
10 min	10.0	11.31	11.6	11.8	11.9	12.0	12.1
15 min	7.21	7.83	8.31	8.53	8.58	8.65	8.74
30 min	4.36	4.82	4.97	5.11	5.15	5.21	5.26
60 min	2.53	2.78	2.89	2.97	2.99	3.02	3.05
120 min	1.42	1.54	1.62	1.65	1.66	1.67	1.69
180 min	1.14	1.21	1.23	1.25	1.26	1.27	1.28
240 min	0.889	0.948	0.973	0.996	1.00	1.01	1.02
300 min	0.808	0.839	0.852	0.863	0.867	0.872	0.878
600 min	0.458	0.480	0.495	0.503	0.507	0.511	0.515
1200 min	0.231	0.245	0.257	0.265	0.268	0.272	0.276

* Product specifications are subject to change without notice.

* US-V2509-Rev1.03

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