



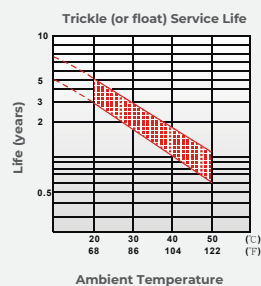
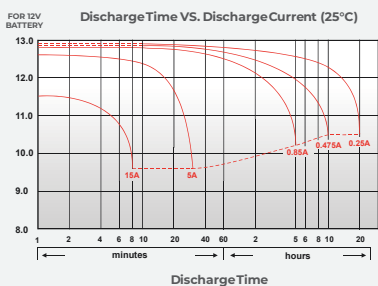
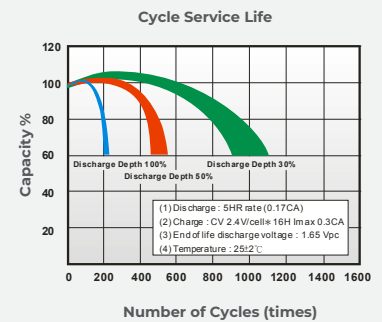
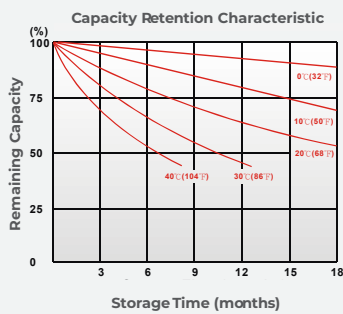
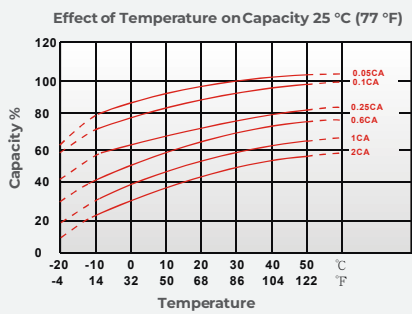
# OBS125 (12V 5Ah)

VRLA - AGM Battery

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

## SPECIFICATIONS Design according with IEC60896, IEC61056

<b>Nominal Voltage</b>		12V	<b>Operating Temperature Range</b>	
<b>Nominal Capacity</b>			<b>Charge</b>	-15°C(5°F) to 40°C(104°F)
<b>20 hour rate</b>	(0.25A to 10.50V)	5Ah	<b>Discharge</b>	-15°C(5°F) to 50°C(122°F)
<b>10 hour rate</b>	(0.475A to 10.50V)	4.75Ah	<b>Storage</b>	-15°C(5°F) to 40°C(104°F)
<b>5 hour rate</b>	(0.85A to 10.20V)	4.25Ah	<b>Charge Retention (shelf life) at 20°C (68°F)</b>	
<b>1 C</b>	(5A to 9.60V)	2.67Ah	<b>1 month</b>	92%
<b>3 C</b>	(15A to 9.60V)	1.75Ah	<b>3 month</b>	90%
<b>Weight</b>		1.62Kg (3.56lb)	<b>6 month</b>	80%
<b>Internal Resistance (at 1KHz)</b>		34 mΩ	<b>Case material (comply with flame retardant)</b>	ABS UL94 HB
<b>Maximum Discharge Current for</b>			<b>Design Life</b>	5 Years
<b>5 seconds</b>		75A	<b>Terminal</b>	F2 - Faston Tab250
<b>Charging Methods at 25°C (77°F)</b>				
<b>Maximum Charging Current</b>		1.5A		
<b>Standby use:</b>				
<b>Float Charging Voltage</b>		13.5 to 13.8V		
<b>Coefficient-3.0mV /°C / cell</b>				



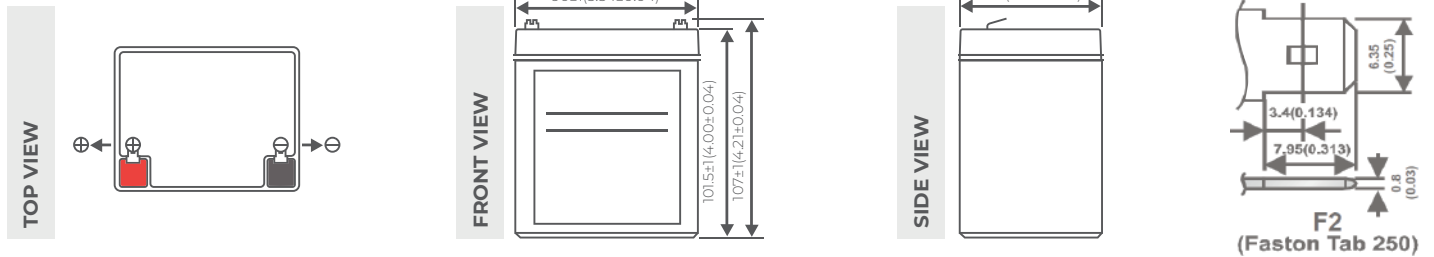
Compliance with:  
IEC 60896, IEC 61056 standard  
CE, UL1989, UL94 HB certification  
ISO 9001, ISO 14001 certified production



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## DIMENSIONS



### 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

AUTHORIZED DEALER



**Osonix**  
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\* Product specifications are subject to change without notice.

\* US-V2007-REV3.01

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