



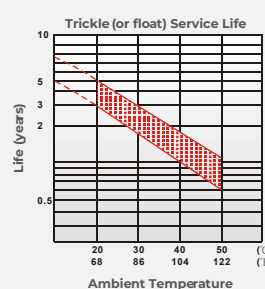
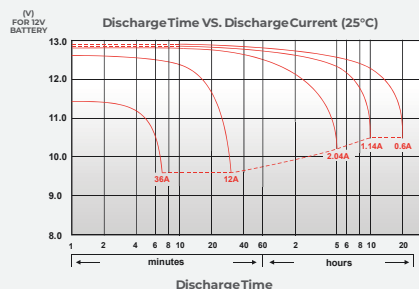
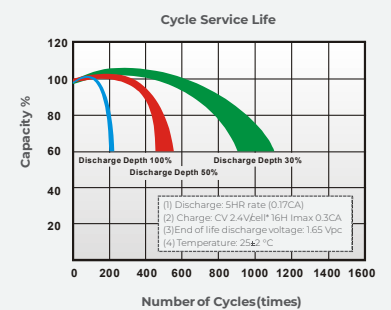
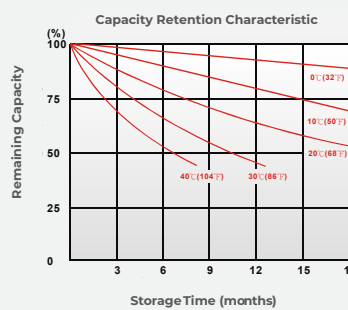
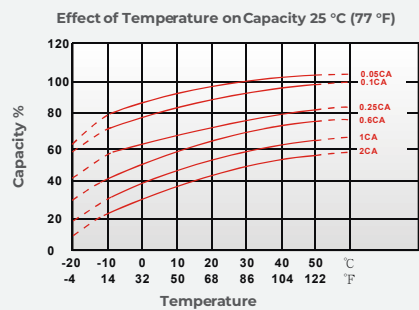
# OBS1212 (12V 12Ah)

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>Standby use:</b>	
<b>Nominal Capacity</b>			<b>Float Charging Voltage</b>	13,5 to 13,8V
<b>20 hour rate</b>	(0.6A to 10.50V)	12Ah	<b>Coefficient-3.0mV /°C / cell</b>	
<b>10 hour rate</b>	(1.14A to 10.50V)	11.4Ah	<b>Operating Temperature Range</b>	
<b>5 hour rate</b>	(2.04A to 10.20V)	10.2Ah	<b>Charge</b>	-15°C(5°F) to 40°C(104°F)
<b>1 C</b>	(12A to 9.60V)	6.4Ah	<b>Discharge</b>	-15°C(5°F) to 50°C(122°F)
<b>3 C</b>	(36A to 9.60V)	4.2Ah	<b>Storage</b>	-15°C(5°F) to 40°C(104°F)
<b>Weight</b>	3.75Kg (8.25lb)		<b>Charge Retention (shelf life) at 20°C (68°C)</b>	
<b>Internal Resistance (at 1KHz)</b>	13 mΩ		<b>1 month</b>	92%
<b>Maximum Discharge Current for</b>			<b>3 month</b>	90%
<b>5 seconds</b>	180A		<b>6 month</b>	80%
<b>Charging Methods at 25°C (77°F)</b>			<b>Case material (comply with flame retardant)</b>	ABS UL94 HB
<b>Cycle use:</b>			<b>Design Life</b>	5 Years
<b>Charging Voltage</b>	14.4 to 15.0V		<b>Terminal</b>	F2 - Faston Tab 250
<b>Coefficient -5.0mV/°C /cell</b>				
<b>Maximum Charging Current</b>	3,6A			



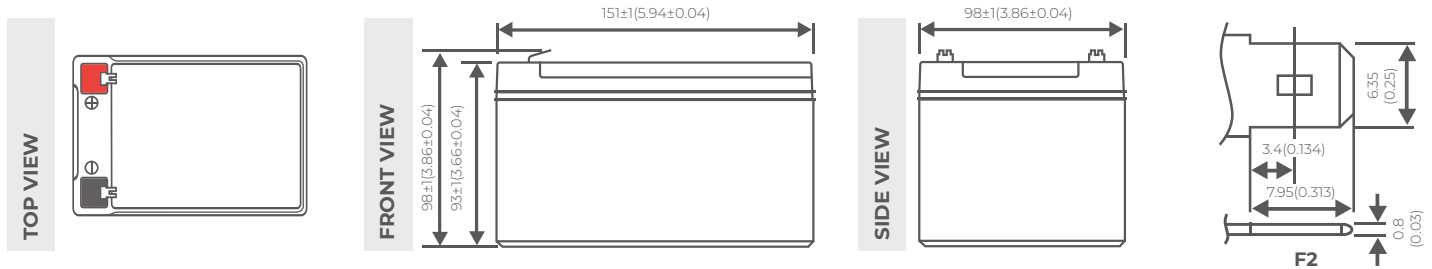
Compliance with:  
IEC 60896, IEC 61056 standard  
CE, UL1989, UL94 HB certification  
ISO 9001, ISO 14001 certified production



# OBS1212 (12V 12Ah)

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## DIMENSIONS mm (inch)



## 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	67.6	75.2	80.8	86.7	89.3	91.2	97.0
10 min	48.0	52.5	54.9	57.3	58.2	59.5	61.0
15 min	38.6	41.0	42.6	44.1	44.5	45.4	46.6
30 min	22.2	23.6	24.6	25.4	25.7	25.9	26.3
60 min	15.8	16.3	16.7	17.0	17.2	17.3	17.5
120 min	8.63	8.92	9.04	9.14	9.18	9.24	9.32
180 min	5.65	5.87	6.05	6.20	6.27	6.35	6.42
240 min	4.78	4.88	4.96	5.06	5.12	5.20	5.26
300 min	3.96	4.08	4.18	4.30	4.33	4.38	4.48
600 min	2.34	2.40	2.44	2.47	2.48	2.50	2.52
1200 min	1.19	1.21	1.25	1.26	1.28	1.29	1.32

### 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	37.2	41.4	44.5	47.7	49.1	50.6	53.4
10 min	25.7	28.1	29.4	30.7	31.2	31.9	32.7
15 min	19.8	21.3	22.1	22.9	23.2	23.5	24.2
30 min	11.4	12.1	12.6	13.0	13.1	13.3	13.5
60 min	8.21	8.40	8.52	8.63	8.68	8.74	8.82
120 min	4.21	4.36	4.47	4.56	4.59	4.63	4.68
180 min	2.87	3.06	3.13	3.19	3.22	3.25	3.29
240 min	2.38	2.43	2.47	2.52	2.55	2.58	2.62
300 min	1.97	2.03	2.08	2.14	2.16	2.19	2.23
600 min	1.16	1.18	1.2	1.22	1.23	1.24	1.25
1200 min	0.592	0.599	0.618	0.627	0.634	0.642	0.656

\* Product specifications are subject to change without notice.  
 \* US-V2007-REV3.02



**Osonix**  
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