



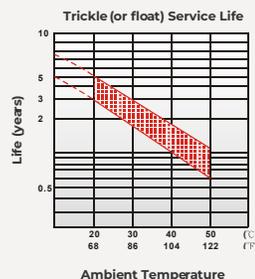
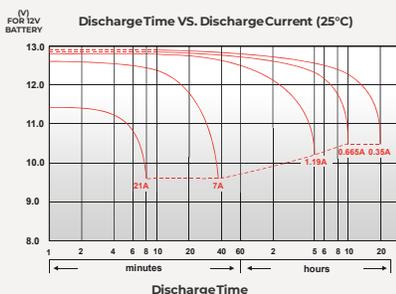
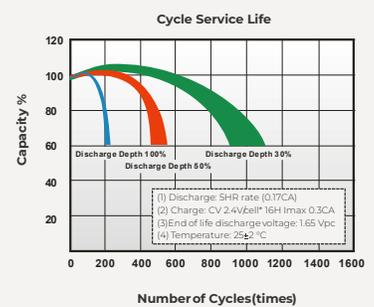
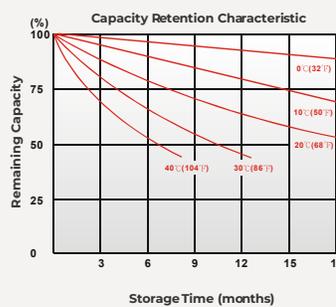
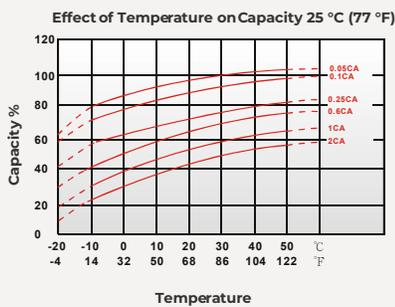
# OBS127.2 (12V 7.2Ah)

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

<b>Nominal Voltage(V)</b>	12V	<b>Maximum Charging Current</b>	2.1A
<b>Nominal Power</b>		<b>Standby use:</b>	
<b>15 mins rate:</b>	28W/cell to 1.60V/cell	<b>Float Charging Voltage</b>	13.5 to 13.8V
<b>Nominal Capacity</b>		<b>Coefficient-3.0mV /°C / cell</b>	
<b>20 hour rate</b>	(0.35A to 10.50V) 7.2Ah	<b>Operating Temperature Range</b>	
<b>10 hour rate</b>	(0.682A to 10.50V) 6.82Ah	<b>Charge</b>	-15°C(5°F) to 40°C(104°F)
<b>5 hour rate</b>	(1.19A to 10.20V) 5.95Ah	<b>Discharge</b>	-15°C(5°F) to 50°C(122°F)
<b>1 C</b>	(7A to 9.60V) 4.43Ah	<b>Storage</b>	-15°C(5°F) to 40°C(104°F)
<b>3 C</b>	(21A to 9.60V) 2.8Ah	<b>Charge Retention (shelf life) at 20°C (68°F)</b>	
<b>Weight</b>	2.17kg(4.78lb)	<b>1 month</b>	92%
<b>Internal Resistance (at 1KHz)</b>	21.5 mΩ	<b>3 month</b>	90%
<b>Maximum Discharge Current for</b>		<b>6 month</b>	80%
<b>5 seconds</b>	105A	<b>Case material (comply with flame retardant)</b>	ABS UL94 HB
<b>Charging Methods at 25°C (77°F)</b>		<b>Design Life</b>	5 Years
<b>Cycle use:</b>		<b>Terminal</b>	F2 - Faston Tab 250
<b>Charging Voltage</b>	14.4 to 15.0V		
<b>Coefficient -5.0mV/°C /cell</b>			



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

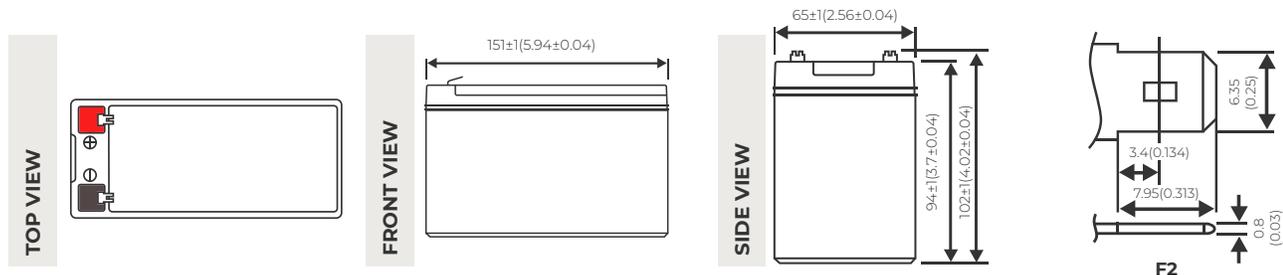


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## DIMENSIONS



## 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	43.8	47.0	49.0	51.0	51.8	52.8	54.3
10 min	30.0	31.8	33.2	34.3	34.8	35.5	36.5
15 min	24.0	25.2	25.8	26.5	26.8	27.3	28.0
30 min	12.1	12.9	13.6	14.1	14.3	14.4	14.6
60 min	7.70	8.38	8.63	8.87	8.97	9.08	9.23
120 min	4.10	4.52	4.72	4.92	4.98	5.07	5.20
180 min	3.08	3.32	3.48	3.62	3.67	3.72	3.80
240 min	2.85	2.93	3.00	3.05	3.07	3.10	3.15
300 min	2.47	2.53	2.58	2.62	2.63	2.65	2.68
600 min	1.36	1.40	1.42	1.43	1.44	1.44	1.45
1200 min	0.690	0.705	0.718	0.728	0.732	0.737	0.743

### 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	23.1	26.2	27.8	29.1	29.6	30.5	31.7
10 min	16.1	17.3	18.1	18.6	18.9	19.2	19.8
15 min	12.6	13.1	13.5	13.8	14.0	14.1	14.3
30 min	6.54	7.05	7.28	7.47	7.56	7.68	7.85
60 min	4.02	4.25	4.41	4.52	4.58	4.63	4.71
120 min	2.26	2.38	2.45	2.49	2.51	2.54	2.57
180 min	1.65	1.74	1.79	1.82	1.83	1.85	1.88
240 min	1.35	1.40	1.44	1.47	1.49	1.51	1.53
300 min	1.10	1.16	1.21	1.25	1.27	1.28	1.29
600 min	0.667	0.675	0.682	0.687	0.690	0.694	0.698
1200 min	0.339	0.346	0.360	0.353	0.355	0.357	0.359

\* Product specifications are subject to change without notice.  
 \* US-V2602-REV1.06 LCH  
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