



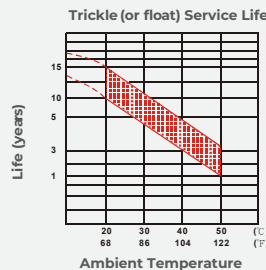
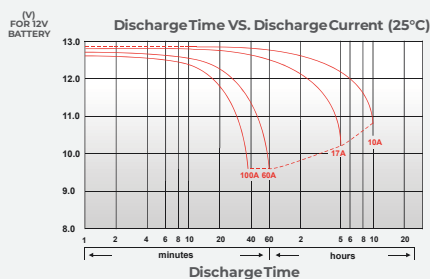
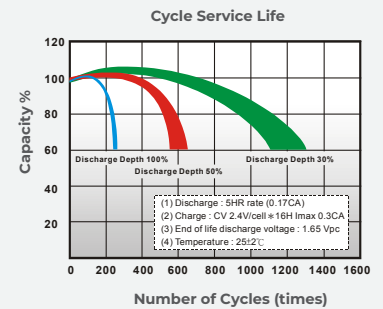
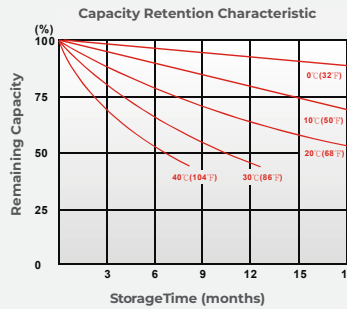
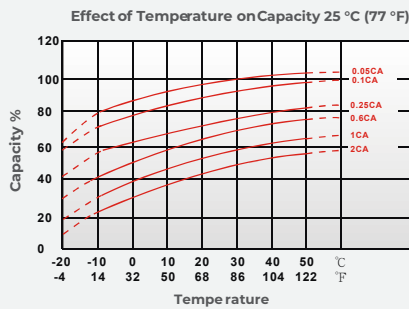
# OBS12100 (12V 100Ah)

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>10 hour rate</b>	(10A to 10.80V)	100Ah	<b>Coefficient-3.0mV /°C / cell</b>	
<b>5 hour rate</b>	(17A to 10.20V)	85Ah	<b>Operating Temperature Range</b>	
<b>1 hour rate</b>	(60A to 9.60V)	60Ah	<b>Charge</b>	-15°C(5°F) to 40°C(104°F)
<b>1 C</b>	(100A to 9.60V)	63.33Ah	<b>Discharge</b>	-15°C(5°F) to 50°C(122°F)
<b>Weight</b>		29.5kg(64.9Lb)	<b>Storage</b>	-15°C(5°F) to 40°C(104°F)
<b>Internal Resistance (at 1KHz)</b>		5 mΩ	<b>Charge Retention (shelf life) at 20°C (68°C)</b>	
<b>Maximum Discharge Current for</b>			<b>1 month</b>	98%
<b>5 seconds</b>		1200A	<b>3 month</b>	94%
<b>Charging Methods at 25°C (77°F)</b>			<b>6 month</b>	85%
<b>Cycle use:</b>			<b>Case material (comply with flame retardant)</b>	ABS UL94 HB
<b>Charging Voltage</b>		14.4 to 15.0V	<b>Design Life</b>	12 Years.
<b>Coefficient -5.0mV/°C /cell</b>			<b>Terminal</b>	M6 bolt
<b>Maximum Charging Current</b>		30A	<b>Description of torque value of hard ware for the terminals:</b>	
			<b>Recommended torque value</b>	M6:7 N-m (71kgf-cm)
			<b>Maximum allowable torque value</b>	M6:9 N-m (92kgf-cm) mm(inch)



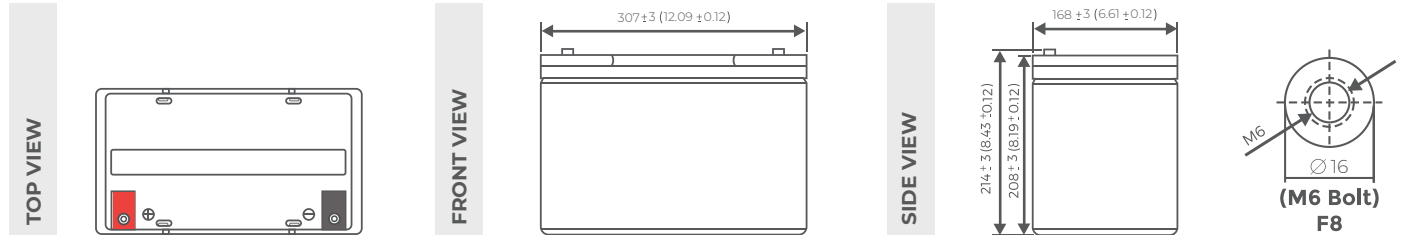
Compliance with:  
IEC 60896, IEC 61056 standard  
CE, UL1989, UL94 HB certification  
ISO 9001, ISO 14001 certified production



# OBS12100 (12V 100Ah)

VRLA - AGM Battery

## 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	458	512	549	584	600	617	649
10 min	348	380	407	432	443	455	477
15 min	277	301	320	338	346	354	370
30 min	163	174	183	191	195	199	206
60 min	112	116	119	122	123	125	126
120 min	66.3	69.5	72.0	73.5	74.5	75.7	77.2
180 min	47.2	49.7	51.8	52.2	53.0	54.0	55.2
240 min	35.2	37.3	39.3	41.3	42.0	42.8	43.8
300 min	31.3	32.8	34.2	35.2	35.5	36.0	36.7
600 min	18.0	19.2	20.0	20.8	21.2	21.5	21.8
1200 min	10.4	10.7	11.0	11.2	11.3	11.4	11.5

### 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	202	267	305	336	346	358	375
10 min	159	188	209	226	234	243	257
15 min	119	146	165	179	184	190	198
30 min	71.2	83.7	92.1	101	103	106	111
60 min	43.6	50.8	56.5	60.6	61.5	63.0	64.9
120 min	25.8	29.3	32.5	35.6	36.4	37.3	38.5
180 min	22.6	23.7	24.8	25.7	26.1	26.5	27.2
240 min	18.3	19.1	19.8	20.5	20.8	21.1	21.6
300 min	16.1	16.7	17.2	17.6	17.8	17.9	18.1
600 min	9.71	10.0	10.2	10.4	10.5	10.6	10.7
1200 min	5.09	5.26	5.38	5.48	5.53	5.57	5.64

AUTHORIZED DEALER



**Osonix**  
[www.en.osonix.com](http://www.en.osonix.com)  
[info@osonix.com](mailto:info@osonix.com)