



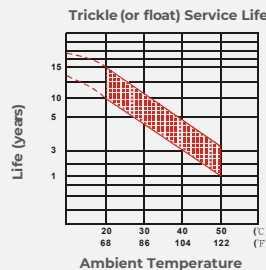
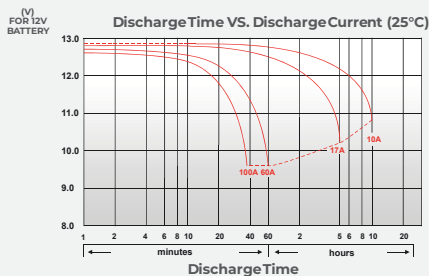
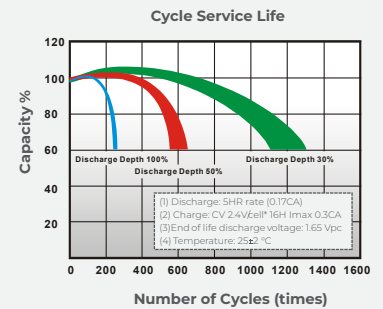
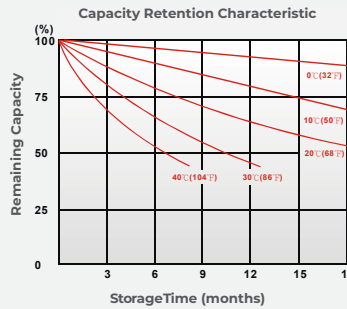
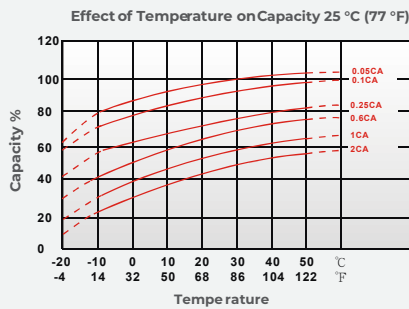
# OBS12100 (12V 100Ah)

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>		30kg(66Lb)	<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>	M6:10 N-m (102kgf-cm)



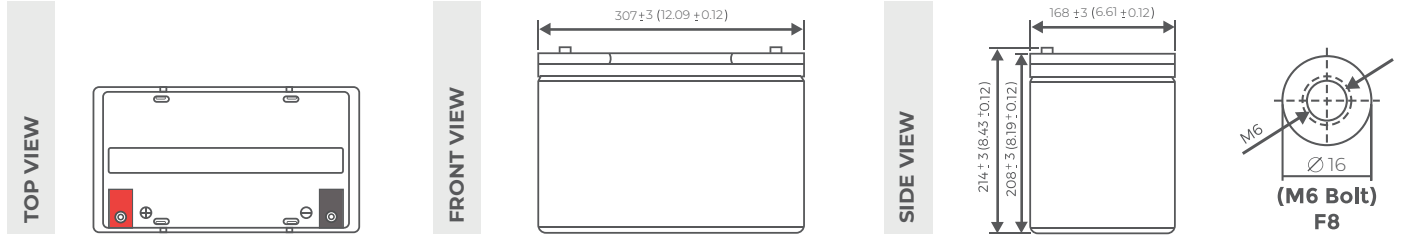
Compliance with:  
IEC 60896, IEC 61056 standard  
CE, UL1989, UL94 HB certification  
ISO 9001, ISO 14001 certified production



# OBS12100 (12V 100Ah)

VRLA - AGM Battery

## DIMENSIONS 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
10 min	385	410	428	448	463	473	480
15 min	298	324	345	360	370	380	385
30 min	193	203	210	218	222	227	230
60 min	89.8	100	109	117	123	133	138
120 min	68.3	71.6	74.2	75.1	75.8	76.5	77
180 min	52.6	54.5	55.5	56.5	57.3	58.1	58.8
240 min	35.1	37.2	39.2	40.4	41.6	42.4	43.2
300 min	33.8	35.5	36.7	37	37.3	37.5	37.7
600 min	18.9	19.5	19.9	20.1	20.3	20.5	20.7
1200 min	10.3	10.6	10.9	11.1	11.2	11.3	11.4

### 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
10 min	195	220	239	254	269	279	286
15 min	155	175	190	197	202	205	208
30 min	98.5	105	110	114	118	122	126
60 min	60	62.2	64.1	65.9	66.9	67.7	69.6
120 min	36.2	37.2	38.1	38.6	39	39.3	39.5
180 min	27.9	28.8	29.4	29.7	30	30.2	30.4
240 min	18.4	19.4	20.1	20.3	20.5	20.6	20.7
300 min	16.8	17.7	18.4	18.6	18.8	18.9	19
600 min	9.7	10	10.2	10.4	10.5	10.6	10.7
1200 min	5.07	5.23	5.36	5.38	5.4	5.42	5.44

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



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