



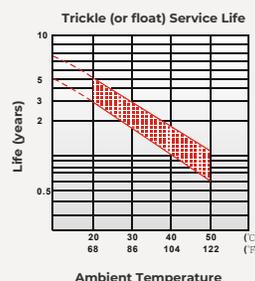
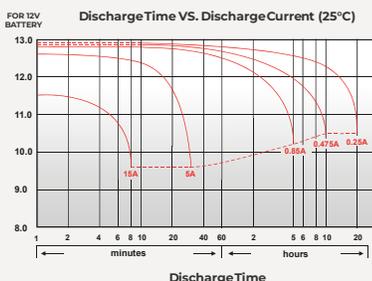
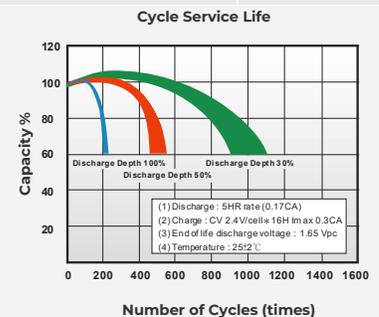
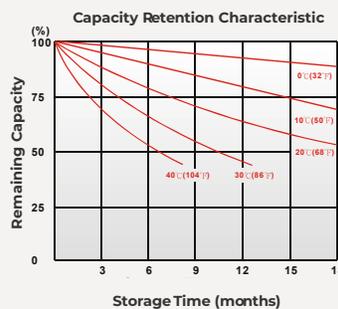
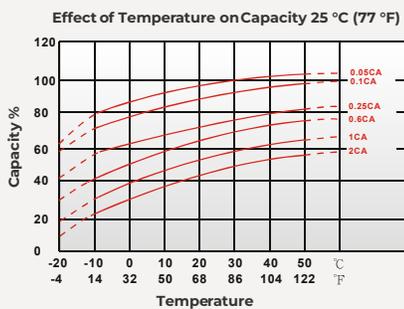
# OBS1250M6 (12V 50Ah)

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</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>	(2.5A to 10.50V)	50Ah	<b>Coefficient-3.0mV /°C / cell</b>	
<b>10 hour rate</b>	(4.75A to 10.50V)	47.5Ah	<b>Operating Temperature Range</b>	
<b>5 hour rate</b>	(8.5A to 10.20V)	42.5Ah	<b>Charge</b>	-15°C(5°F) to 40°C(104°F)
<b>1 C</b>	(50A to 9.60V)	28.33Ah	<b>Discharge</b>	-15°C(5°F) to 50°C(122°F)
<b>3 C</b>	(150A to 9.60V)	20Ah	<b>Storage</b>	-15°C(5°F) to 40°C(104°F)
<b>Weight</b>	14.6Kg (32.2lb)		<b>Charge Retention (shelf life) at 20°C (68°F)</b>	
<b>Internal Resistance (at 1KHz)</b>	6.5 mΩ		<b>1 month</b>	98%
<b>Maximum Discharge Current for</b>			<b>3 month</b>	94%
<b>5 seconds</b>	600A		<b>6 month</b>	85%
<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>	M6 bolt
<b>Coefficient -5.0mV/°C /cell</b>			<b>Torque Specifications</b>	
<b>Maximum Charging Current</b>	15A		<b>Recommended torque value</b>	M6:7 N-m (71kgf-cm)
			<b>Maximum allowable torque value</b>	M6:10 N-m (102kgf-cm)



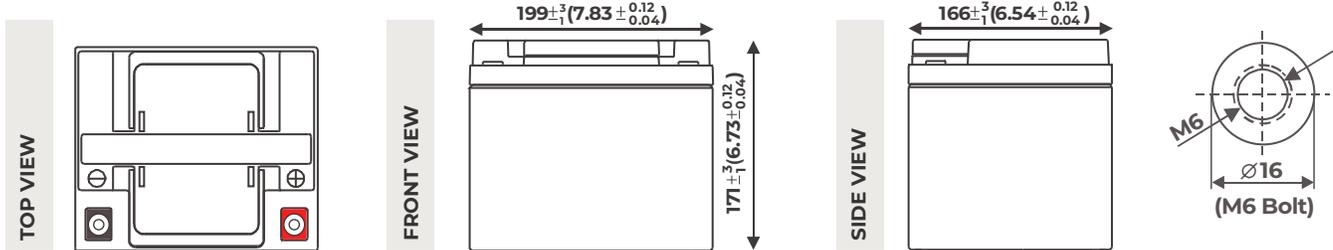
Compliance with:  
IEC 60896, IEC 61056 standard  
CE, UL1989, UL94 HB certification  
ISO 9001, ISO 14001 certified production



# OBS1250M6 (12V 50Ah)

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
5 min	240	288	322	345	350	356	361
10 min	171	203	223	233	237	241	246
15 min	126	146	160	167	170	172	175
30 min	78.0	89.8	97.2	100	102	103	104
60 min	53.7	56.5	58.2	59.5	60.0	60.7	61.2
120 min	29.2	32.0	33.3	34.5	34.8	35.3	35.8
180 min	20.8	22.7	23.8	24.7	25.0	25.3	25.7
240 min	17.2	18.3	19.0	19.7	19.8	20.2	20.5
300 min	15.9	16.6	17.0	17.3	17.5	17.7	17.8
600 min	8.62	9.10	9.38	9.57	9.62	9.68	9.77
1200 min	4.58	4.87	5.05	5.17	5.20	5.25	5.30

### 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	139	166	185	199	206	210	214
10 min	88.5	106	117	125	128	131	134
15 min	77.8	84.5	87.6	90.2	90.9	91.8	92.9
30 min	45.4	50.7	52.8	54.4	54.9	55.5	56.2
60 min	26.0	28.8	29.9	30.6	30.8	31.1	31.4
120 min	15.1	16.2	16.8	17.3	17.5	17.7	17.9
180 min	11.0	11.7	12.1	12.4	12.5	12.6	12.7
240 min	8.96	9.44	9.70	9.89	9.96	10.1	10.2
300 min	7.85	8.26	8.50	8.67	8.73	8.80	8.87
600 min	4.41	4.65	4.76	4.82	4.84	4.87	4.91
1200 min	2.32	2.44	2.50	2.55	2.57	2.59	2.61

\* Product specifications are subject to change without notice.

\* US-V2602-Rev1.06 LCH

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**Osonix**

[www.osonix.com](http://www.osonix.com)

[info@osonix.com](mailto:info@osonix.com)

**Kenjitsu USA**

3111 Camino Del Rio North Suite 400  
Mission Valley, San Diego CA 92108

 **KENJITSU**

**AUTHORIZED DISTRIBUTOR**

 (619) 431 4777

 [sales@kenjitsuusa.com](mailto:sales@kenjitsuusa.com)

 [www.kenjitsuusa.com](http://www.kenjitsuusa.com)