



# OBS1226M5 (12V 26Ah)

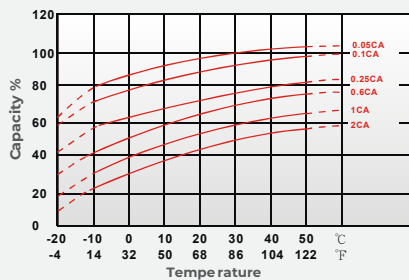
VRLA - AGM Battery

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.

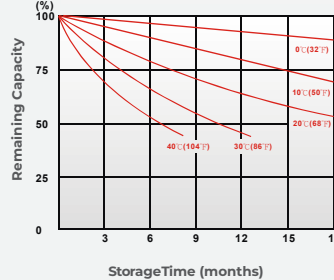
## SPECIFICATIONS Design according with IEC60896, IEC61056

<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>	(1.3A to 10.50V)	26Ah	<b>Coefficient-3.0mV /°C / cell</b>	
<b>10 hour rate</b>	(2.47A to 10.50V)	24.7Ah	<b>Operating Temperature Range</b>	
<b>5 hour rate</b>	(4.42A to 10.20V)	22.1Ah	<b>Charge</b>	-15°C(5°F) to 40°C(104°F)
<b>1 C</b>	(26A to 9.60V)	13.87Ah	<b>Discharge</b>	-15°C(5°F) to 50°C(122°F)
<b>3 C</b>	(78A to 9.60V)	9.1Ah	<b>Storage</b>	-15°C(5°F) to 40°C(104°F)
<b>Weight</b>	8.0Kg (17.6lb)		<b>Charge Retention (shelf life) at 20°C (68°C)</b>	
<b>Internal Resistance (at 1KHz)</b>	11 mΩ		<b>1 month</b>	92%
<b>Maximum Discharge Current for</b>			<b>3 month</b>	90%
<b>5 seconds</b>	390A		<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>	M5 bolt
<b>Coefficient -5.0mV/°C /cell</b>			<b>Description of torque value of hard ware for the terminals:</b>	
<b>Maximum Charging Current</b>	7.8A		<b>Recommended torque value</b>	M5: 4 N-m (41kgf-cm)
			<b>Maximum allowable torque value</b>	M5: 6 N-m (62kgf-cm)

Effect of Temperature on Capacity 25°C (77°F)

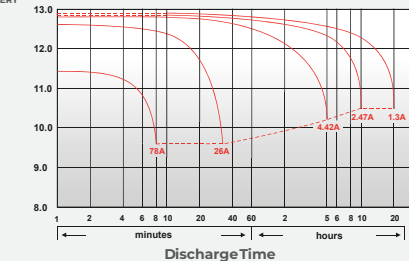


Capacity Retention Characteristic

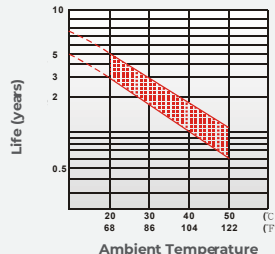


(V) FOR 12V BATTERY

Discharge Time VS. Discharge Current (25°C)



Trickle (or float) Service Life



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



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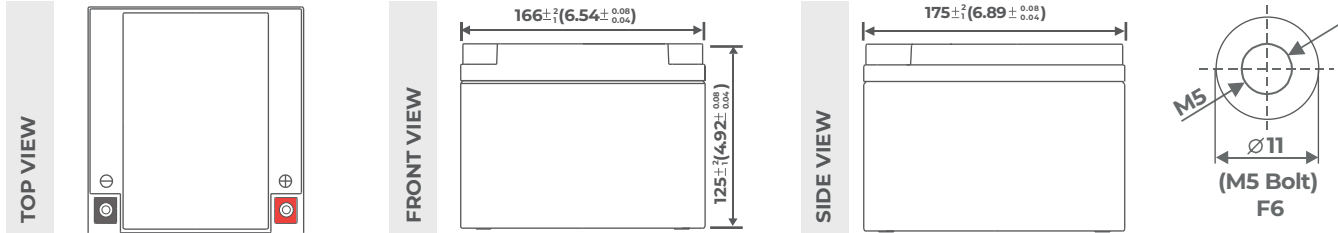
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## DIMENSIONS mm (inch)



## 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	114	129	142	155	159	165	177
10 min	88.2	99.7	106	111	114	117	122
15 min	70.2	76.5	80.8	84.3	86.7	88.2	91.3
30 min	41	44.5	46.5	48	48.8	49.5	50.3
60 min	27	28.5	29.3	30	30.2	30.5	30.8
120 min	14.6	15.4	15.9	16.2	16.4	16.5	16.7
180 min	12.2	12.7	12.9	13.1	13.1	13.2	13.3
240 min	9.82	10.2	10.4	10.5	10.6	10.6	10.7
300 min	8.47	8.7	8.82	8.93	8.97	9.02	9.05
600 min	4.93	5.12	5.22	5.3	5.32	5.35	5.38
1200 min	2.53	2.62	2.68	2.73	2.75	2.77	2.78

### 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	70.2	82.3	90.7	96.1	98.3	101	105
10 min	45.8	50.4	54.6	58.8	60.5	62.4	65.6
15 min	37.9	41.1	43.7	46.2	47.3	48.2	49.8
30 min	20.8	23.2	24.7	25.6	26.2	26.9	27.7
60 min	14.5	15	15.3	15.5	15.6	15.7	15.8
120 min	7.65	7.96	8.08	8.19	8.22	8.26	8.31
180 min	6.21	6.41	6.5	6.53	6.55	6.58	6.62
240 min	4.97	5.07	5.14	5.2	5.22	5.25	5.28
300 min	4.22	4.35	4.4	4.44	4.45	4.47	4.49
600 min	2.48	2.56	2.6	2.61	2.62	2.63	2.64
1200 min	1.29	1.33	1.35	1.36	1.37	1.38	1.39

\* Product specifications are subject to change without notice.  
 \* US-V2007-REV3.03



**Osonix**  
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