



# OBS1226M5 (12V 26Ah)

VRLA - AGM Battery

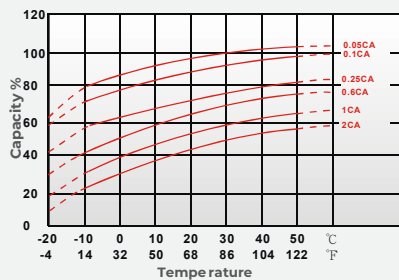
OSONIX battery (pure lead) with AGM thin plate technology gives greater surface area to produce the required energy, higher cycle performance on charging / discharging and long life.



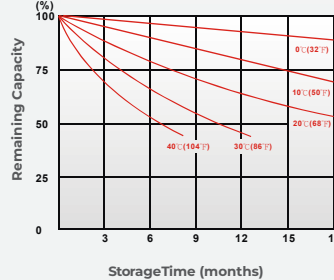
## SPECIFICATIONS Design according with IEC60896, IEC61056

<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)	14.73Ah	<b>Discharge</b>	-15°C(5°F) to 50°C(122°F)
<b>3 C</b>	(78A to 9.60V)	10.4Ah	<b>Storage</b>	-15°C(5°F) to 40°C(104°F)
<b>Weight</b>	9.3Kg (20.5lb)		<b>Charge Retention (shelf life) at 20°C (68°C)</b>	
<b>Internal Resistance (at 1KHz)</b>	9.5 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: 5 N·m (51kgf·cm)
			<b>Maximum allowable torque value</b>	M5: 6 N·m (61kgf·cm) mm(inch)

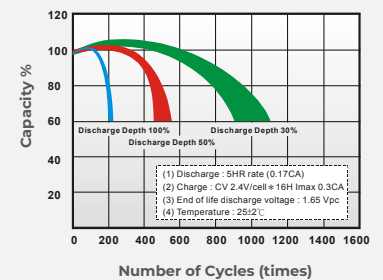
Effect of Temperature on Capacity 25°C (77°F)



Capacity Retention Characteristic

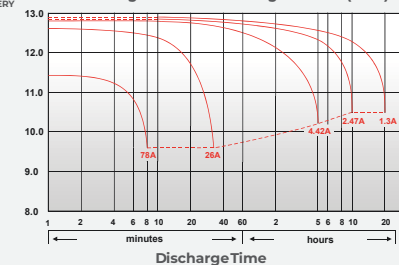


Cycle Service Life

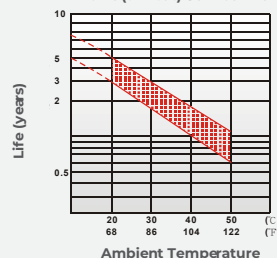


(M)  
FOR 12V  
BATTERY

Discharge Time VS. Discharge Current (25°C)



Trickle (or float) Service Life



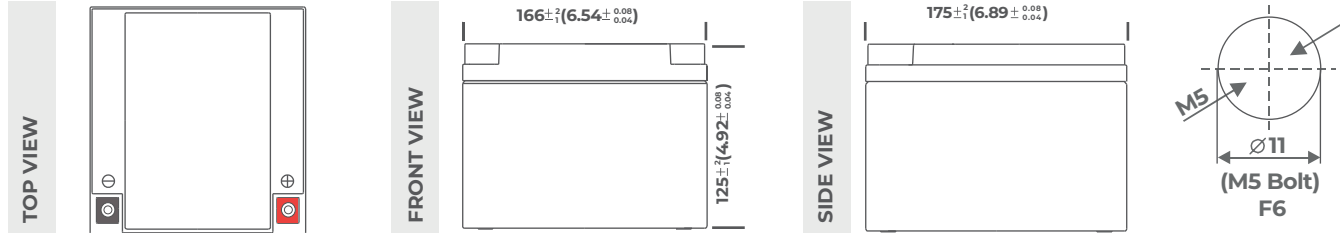
Compliance with:  
IEC 60896, IEC 61056 standard  
CE, UL1989, UL94 HB certification  
ISO 9001, ISO 14001 certified production



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## 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	147	161	173	185	191	196	208
10 min	108	114	119	125	128	131	135
15 min	78.7	84.0	88.2	92.2	94.2	96.0	99.5
30 min	42.3	45.3	47.2	48.7	49.5	50.3	51.3
60 min	30.2	31.7	32.4	32.8	33.2	33.5	33.8
120 min	19.2	19.8	20.2	20.7	20.8	21.0	21.2
180 min	12.8	13.2	13.4	13.6	13.6	13.7	13.8
240 min	10.3	10.5	10.7	10.8	10.9	10.9	11.0
300 min	8.75	8.90	8.98	9.07	9.10	9.15	9.37
600 min	5.42	5.52	5.58	5.66	5.68	5.72	5.75
1200 min	2.62	2.69	2.74	2.78	2.8	2.82	2.83

### 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	78.9	92.9	103	109	111	113	115
10 min	55.6	62.1	64.2	68.2	70.4	72.3	75.7
15 min	40.8	46.4	49.8	52.6	54.3	54.9	56.2
30 min	21.4	23.8	25.2	26.5	27.2	27.8	28.8
60 min	15.3	16.1	16.5	16.9	17.1	17.3	17.5
120 min	9.34	9.72	9.87	10.0	10.1	10.2	10.3
180 min	6.45	6.63	6.72	6.83	6.87	6.92	6.99
240 min	5.48	5.61	5.69	5.76	5.79	5.84	5.91
300 min	4.77	4.86	4.93	5.00	5.02	5.05	5.08
600 min	2.55	2.61	2.65	2.69	2.71	2.74	2.77
1200 min	1.29	1.34	1.36	1.38	1.39	1.40	1.43

AUTHORIZED DEALER



**Osonix**  
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