



OBS1234M5 (12V 34Ah)

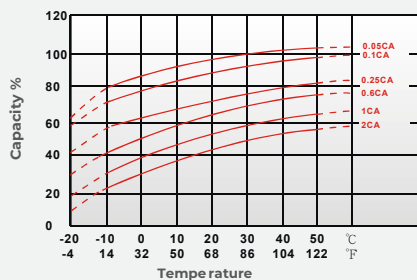
VRLA - AGM Battery

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.

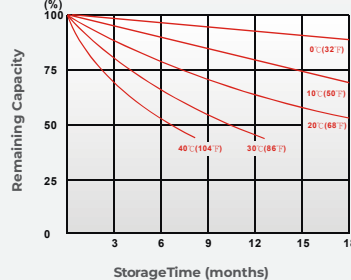
SPECIFICATIONS Design according with IEC60896, IEC61056

Nominal Voltage		12V	Standby use:	
Nominal Capacity			Float Charging Voltage	13.5 to 13.8V
20 hour rate	(1.65A to 10.50V)	34Ah	Coefficient-3.0mV /°C / cell	
10 hour rate	(3.135A to 10.50V)	31.35Ah	Operating Temperature Range	
5 hour rate	(5.61A to 10.20V)	28.05Ah	Charge	-15°C(5°F) to 40°C(104°F)
1 C	(33A to 9.60V)	18.7Ah	Discharge	-15°C(5°F) to 50°C(122°F)
3 C	(99A to 9.60V)	13.2Ah	Storage	-15°C(5°F) to 40°C(104°F)
Weight	10.1Kg (22.2lb)		Charge Retention (shelf life) at 20°C (68°C)	
Internal Resistance (at 1KHz)	6.5 mΩ		1 month	92%
Maximum Discharge Current for			3 month	90%
5 seconds	495A		6 month	80%
Charging Methods at 25°C (77°F)			Case material (comply with flame retardant)	ABS UL94 HB
Cycle use:			Design Life	5 Years
Charging Voltage	14.4 to 15.0V		Terminal	M5 bolt
Coefficient -5.0mV/°C /cell			Description of torque value of hard ware for the terminals:	
Maximum Charging Current	9.9A		Recommended torque value	M5: 4 N-m (41kgf-cm)
			Maximum allowable torque value	M5: 6 N-m (61kgf-cm)

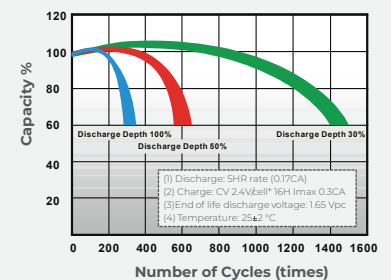
Effect of Temperature on Capacity 25°C (77°F)



Capacity Retention Characteristic

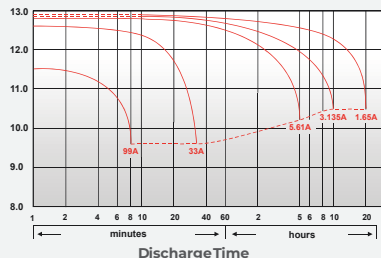


Cycle Service Life

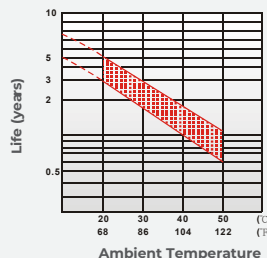


(V) FOR 12V BATTERY

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

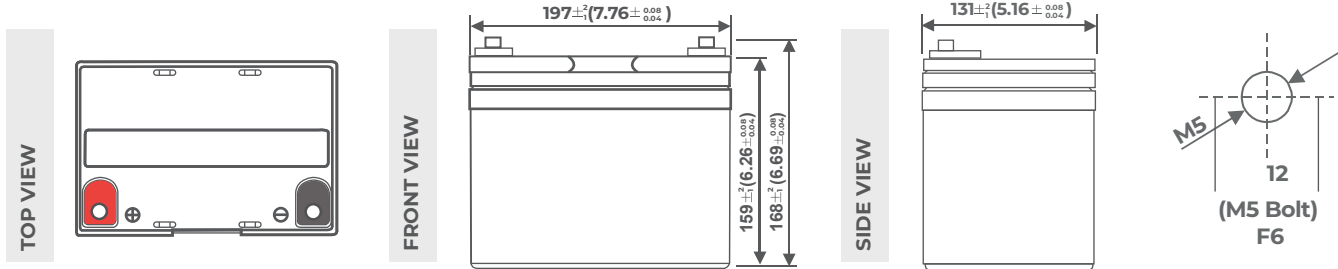


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DIMENSIONS mm (inch)



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	163	192	211	223	227	232	236
10 min	111	130	143	151	154	156	159
15 min	85.8	99.3	108	114	115	117	119
30 min	48.2	55.5	60.3	63.0	63.8	64.8	66.0
60 min	30.3	33.2	35.0	36.8	37.5	38.2	39.0
120 min	19.0	20.5	21.5	22.3	22.7	23.0	23.5
180 min	13.6	14.7	15.5	16.1	16.4	16.7	17.0
240 min	11.0	11.7	12.3	12.8	13.0	13.2	13.4
300 min	9.57	10.3	10.9	11.3	11.4	11.5	11.7
600 min	5.52	5.97	6.35	6.57	6.63	6.70	6.80
1200 min	2.9	3.13	3.33	3.45	3.50	3.55	3.60

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	86.7	106	120	129	132	136	140
10 min	58.5	68.4	74.5	79.8	81.7	84.2	87.3
15 min	41.1	49.3	54.2	58.4	59.6	61.5	63.0
30 min	27.4	31.3	32.9	34.2	34.6	35.1	35.6
60 min	16.4	17.7	18.6	19.3	19.5	19.8	20.1
120 min	9.67	10.3	10.8	11.2	11.3	11.5	11.7
180 min	6.86	7.36	7.82	8.08	8.15	8.23	8.36
240 min	5.45	5.89	6.27	6.46	6.51	6.58	6.69
300 min	4.74	5.11	5.43	5.61	5.65	5.70	5.78
600 min	2.73	2.95	3.15	3.24	3.27	3.30	3.34
1200 min	1.48	1.59	1.66	1.71	1.72	1.74	1.76

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



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