



OBS129 (12V 9Ah)

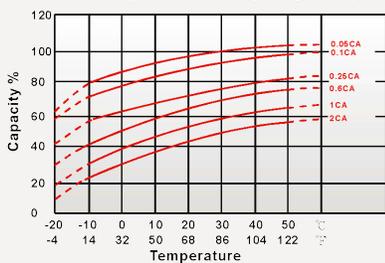
VRLA - AGM Battery

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.

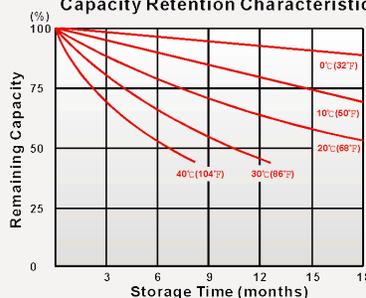
SPECIFICATIONS Design according with IEC60896, IEC61056

Nominal Voltage	12V	Standby use:	
Nominal Power		Float Charging Voltage	13.5 to 13.8V
15 mins rate:	36W/cell to 1.60V/cell	Coefficient-3.0mV /°C / cell	
Nominal Capacity		Operating Temperature Range	
5 hour rate	(1.53A to 10.20V) 7.65Ah	Charge	-15°C(5°F) to 40°C(104°F)
1 C	(9A to 9.60V) 5.7Ah	Discharge	-15°C(5°F) to 50°C(122°F)
3 C	(27A to 9.60V) 3.6Ah	Storage	-15°C(5°F) to 40°C(104°F)
Weight	2.52kg(5.56Lb)	Charge Retention (shelf life) at 20°C (68°F)	
Internal Resistance (at 1KHz)	15 mΩ	1 month	92%
Maximum Discharge Current for		3 month	90%
5 seconds	135A	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	F2 - Faston Tab 250
Coefficient -5.0mV/°C /cell			
Maximum Charging Current	2.7A		

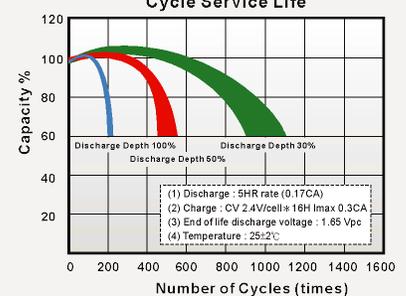
Effect of Temperature on Capacity 25°C(77°F)



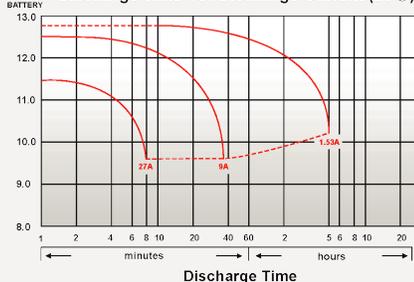
Capacity Retention Characteristic



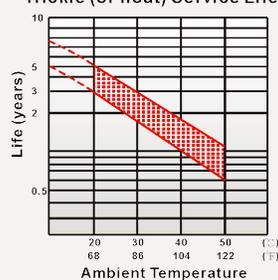
Cycle Service Life



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

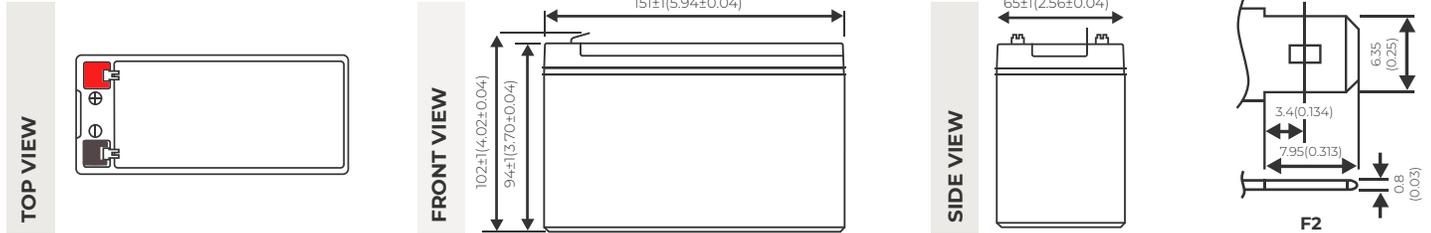


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DIMENSIONS mm (inch)



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	57.1	60.2	64.7	67.8	69.8	71.2	74.7
10 min	36.5	39.1	42.0	44.0	45.2	46.1	48.3
15 min	30.1	31.2	32.3	33.4	34.0	34.7	35.9
30 min	15.8	16.2	17.0	17.7	17.8	18.0	19.1
60 min	9.97	10.4	10.7	11.0	11.1	11.3	11.5
120 min	5.40	5.56	5.69	5.82	5.87	5.90	5.95
180 min	4.20	4.35	4.49	4.62	4.67	4.75	4.85
240 min	3.40	3.53	3.63	3.73	3.78	3.85	3.92
300 min	2.89	2.99	3.05	3.10	3.12	3.15	3.18
600 min	1.62	1.68	1.71	1.75	1.77	1.78	1.80
1200 min	0.853	0.882	0.902	0.907	0.910	0.913	0.918

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	30.4	32.6	35.0	36.7	37.4	38.5	40.3
10 min	19.1	20.4	21.9	22.9	23.4	24.1	25.2
15 min	14.3	14.9	15.8	16.5	16.8	17.3	18.0
30 min	8.09	8.45	8.93	9.35	9.54	9.77	10.2
60 min	5.17	5.29	5.37	5.45	5.48	5.52	5.57
120 min	2.63	2.72	2.78	2.84	2.86	2.89	2.93
180 min	2.12	2.18	2.23	2.27	2.29	2.31	2.34
240 min	1.69	1.74	1.77	1.80	1.81	1.82	1.83
300 min	1.46	1.51	1.53	1.55	1.56	1.57	1.58
600 min	0.827	0.841	0.855	0.866	0.871	0.877	0.884
1200 min	0.427	0.442	0.451	0.456	0.459	0.462	0.466

* Product specifications are subject to change without notice.
 * US-V2602-Rev1.05 LCH
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