



OSONIX

OBS12130 (12V 130Ah)

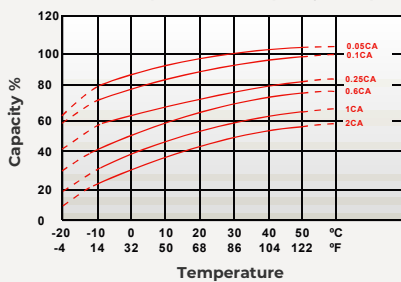
VRLA - AGM Battery

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.

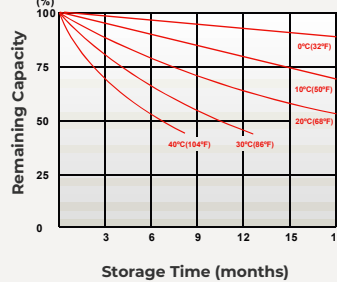
SPECIFICATIONS Design according with IEC60896, IEC61056

Nominal Voltage		12V	Float Charging Voltage	
Nominal Capacity			Coefficient -3.0mV / °C / cell	13.5 to 13.8V
20 hour rate	(6.5A to 10.5V)	130Ah	Operating Temperature Range	
8 hour rate	(14A to 10.5V)	111.5Ah	Charge	-15°C(5°F) to 40°C(104°F)
5 hour rate	(22.1 to 10.2V)	110.5Ah	Discharge	-15°C(5°F) to 50°C(122°F)
Nominal Rate			Storage	-15°C(5°F) to 40°C(104°F)
15 min:	508W / cell to 1.67 v/cell		Charge Retention (shelf life) at 20°C (68°F)	
Weight		42.0kg(92.4Lb)	1 month	98%
Internal Resistance (at 1KHz)		4 mΩ	3 month	96%
Maximum Discharge Current for:			6 month	94%
5 seconds		1300A	Case material (comply with flame retardant)	ABS UL94 HB
Charging Methods at 25°C (77°F)			Design Life	12 Years.
Charging Time		8-9 hour	Terminal	M6 bolt
Charging Voltage		14.1 to 14.4V	Torque Specifications	
Short-circuit current (A)		3183A	Recommended torque value	M6:7 N-m (71kgf-cm)
Maximum Charging Current		39A	Maximum allowable torque value	M6:10 N-m (102kgf-cm)

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

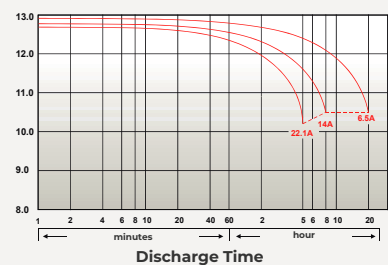


Capacity Retention Characteristic

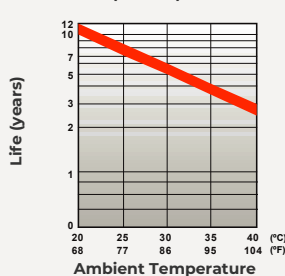


(V) FOR 12V BATTERY

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

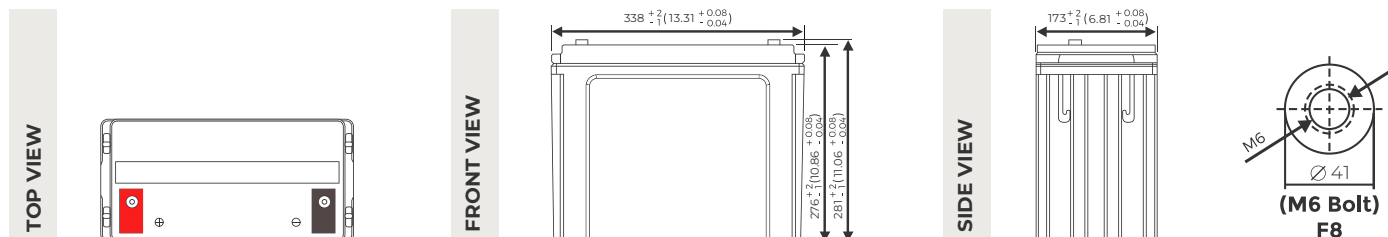


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VRLA - AGM Battery



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
2 min	703	805	900	970	1035	1095	1145
4 min	665	735	795	835	885	925	950
5 min	618	683	740	797	837	872	883
6 min	600	665	718	745	770	790	810
8 min	525	577	620	662	700	720	735
10 min	487	542	587	605	615	623	628
15 min	379	433	479	505	508	511	514
20 min	327	354	377	393	403	411	417
30 min	252	271	281	287	291	295	297
40 min	206	216	223	228	230	232	234
45 min	200	209	216	221	224	227	230
60 min	118	127	134	139	142	144	146
90 min	91	105	113	116	119	121	123
120 min	78.3	82.5	85.4	87.3	88.5	89.7	90.5
180 min	50.5	57.1	63.6	64.5	65.2	65.7	66.2
240 min	46.5	48.3	49.8	50.6	50.9	51.2	51.5
300 min	42.1	43.3	44.1	44.3	44.5	44.7	44.9
480 min	24.6	25.8	26.8	27.8	28.6	29.2	29.6
1200 min	12.5	12.9	13.2	13.4	13.6	13.7	13.8

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
2 min	385	462	515	560	590	620	650
4 min	350	410	465	510	532	552	572
5 min	337	392	432	462	485	500	510
6 min	312	357	397	437	460	475	485
8 min	290	325	353	367	374	379	384
10 min	267	287	305	321	337	346	352
15 min	218	235	247	257	265	270	275
20 min	172	185	194	202	207	212	215
30 min	118	125	130	136	142	147	150
40 min	101	111	118	123	124	125	126
45 min	99.2	106	111	114	116	118	120
60 min	73.4	75.1	76.3	77.2	77.8	78.4	78.8
90 min	45.4	51.6	55.5	57.7	58.9	59.7	60.5
120 min	40	43.3	45.8	47.1	48.4	49.1	49.5
180 min	26.5	28.4	30.1	30.6	30.9	31.2	31.5
240 min	22.8	23.2	23.5	23.8	24	24.2	24.4
300 min	19.8	21	21.7	22.1	22.3	22.4	22.5
480 min	12.5	13.4	14	14.2	14.3	14.4	14.5
1200 min	6.65	6.75	6.79	6.81	6.82	6.38	6.84

* Product specifications are subject to change without notice.

* US-V2510-Rev1.05

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