



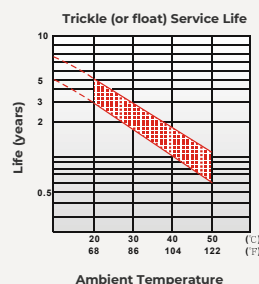
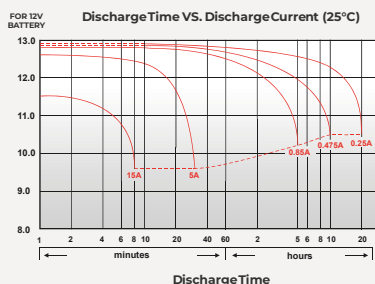
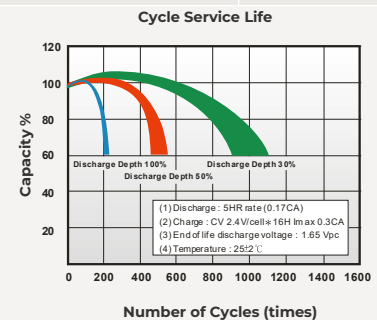
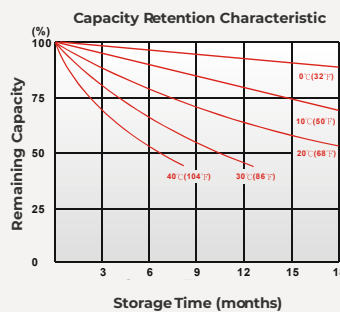
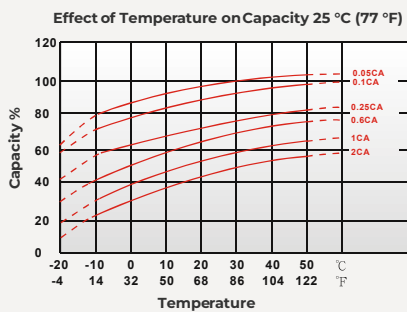
OSONIX OBS1250M6 (12V 50Ah)

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 Capacity			Float Charging Voltage	13.5 to 13.8V
20 hour rate	(2.5A to 10.50V)	50Ah	Coefficient-3.0mV /°C / cell	
10 hour rate	(4.75A to 10.50V)	47.5Ah	Operating Temperature Range	
5 hour rate	(8.5A to 10.20V)	42.5Ah	Charge	-15°C(5°F) to 40°C(104°F)
1 C	(50A to 9.60V)	28.33Ah	Discharge	-15°C(5°F) to 50°C(122°F)
3 C	(150A to 9.60V)	20Ah	Storage	-15°C(5°F) to 40°C(104°F)
Weight		15.1Kg (33.2lb)	Charge Retention (shelf life) at 20°C (68°C)	
Internal Resistance (at 1KHz)		5 mΩ	1 month	98%
Maximum Discharge Current for			3 month	94%
5 seconds		600A	6 month	85%
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	M6 bolt
Coefficient -5.0mV/°C /cell			Description of torque value of hard ware for the terminals:	
Maximum Charging Current		15A	Recommended torque value	M6:7 N-m (71kgf-cm)
			Maximum allowable torque value	M6:10 N-m (102kgf-cm)



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

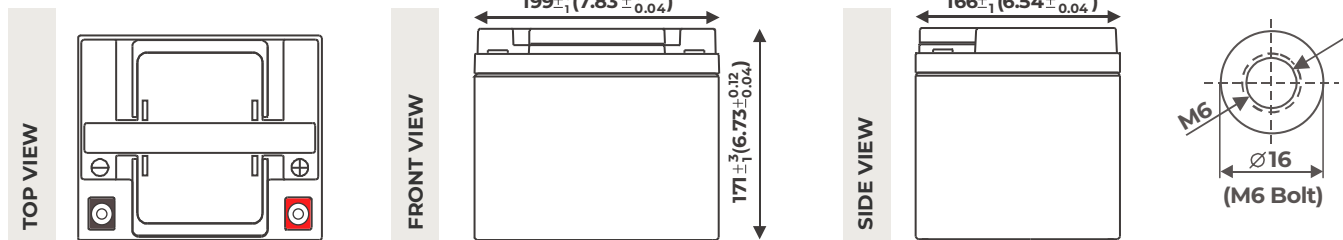


OBS1250M6 (12V 50Ah)

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
5 min	240	288	322	345	350	356	361
10 min	171	203	223	233	237	241	246
15 min	126	146	160	167	170	172	175
30 min	78.0	89.8	97.2	100	102	103	104
60 min	53.7	56.5	58.2	59.5	60.0	60.7	61.2
120 min	29.2	32.0	33.3	34.5	34.8	35.3	35.8
180 min	20.8	22.7	23.8	24.7	25.0	25.3	25.7
240 min	17.2	18.3	19.0	19.7	19.8	20.2	20.5
300 min	15.9	16.6	17.0	17.3	17.5	17.7	17.8
600 min	8.62	9.10	9.38	9.57	9.62	9.68	9.77
1200 min	4.58	4.87	5.05	5.17	5.20	5.25	5.30

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	139	166	185	199	206	210	214
10 min	88.5	106	117	125	128	131	134
15 min	77.8	84.5	87.6	90.2	90.9	91.8	92.9
30 min	45.4	50.7	52.8	54.4	54.9	55.5	56.2
60 min	26.0	28.8	29.9	30.6	30.8	31.1	31.4
120 min	15.1	16.2	16.8	17.3	17.5	17.7	17.9
180 min	11.0	11.7	12.1	12.4	12.5	12.6	12.7
240 min	8.96	9.44	9.70	9.89	9.96	10.1	10.2
300 min	7.85	8.26	8.50	8.67	8.73	8.80	8.87
600 min	4.41	4.65	4.76	4.82	4.84	4.87	4.91
1200 min	2.32	2.44	2.50	2.55	2.57	2.59	2.61

* Product specifications are subject to change without notice.

* US-V2509-Rev1.02

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