



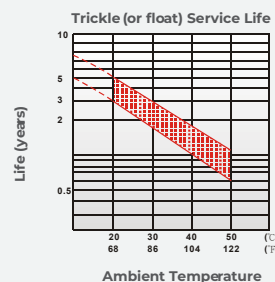
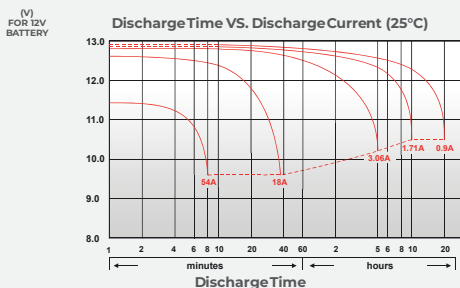
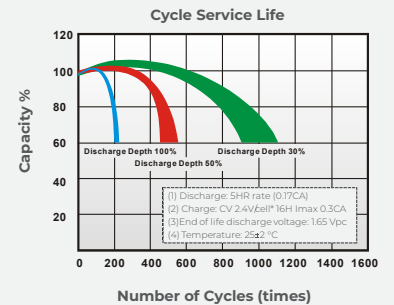
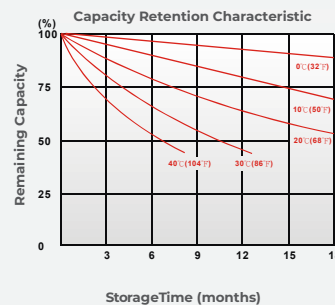
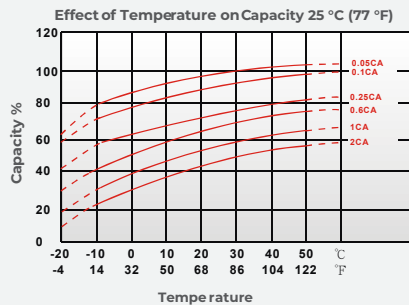
OBS1218M5 (12V 18Ah)

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	(0.9A to 10.50V)	18Ah	Coefficient-3.0mV /°C / cell	
10 hour rate	(1.71A to 10.50V)	17.1Ah	Operating Temperature Range	
5 hour rate	(3.06A to 10.20V)	15.3Ah	Charge	-15°C(5°F) to 40°C(104°F)
1 C	(18A to 9.60V)	11.4Ah	Discharge	-15°C(5°F) to 50°C(122°F)
3 C	(54A to 9.60V)	7.2Ah	Storage	-15°C(5°F) to 40°C(104°F)
Cold Cranking Amperes (-18°C)		200A	Charge Retention (shelf life) at 20°C (68°C)	
Cranking Amperes (25°C)		275A	1 month	92%
Weight		5.6Kg (12.32lb)	3 month	90%
Internal Resistance (at 1KHz)		10.5 mΩ	6 month	80%
Maximum Discharge Current for			Case material (comply with flame retardant)	ABS UL94 HB
5 seconds		270A	Design Life	5 Years
Charging Methods at 25°C (77°F)			Terminal	M5 bolt
Cycle use:			Description of torque value of hard ware for the terminals:	
Charging Voltage		14.4 to 15.0V	Recommended torque value	M5: 4 N-m (41kgf-cm)
Coefficient -5.0mV/°C /cell			Maximum allowable torque value	M5: 6 N-m (62kgf-cm)
Maximum Charging Current		5.4A		



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

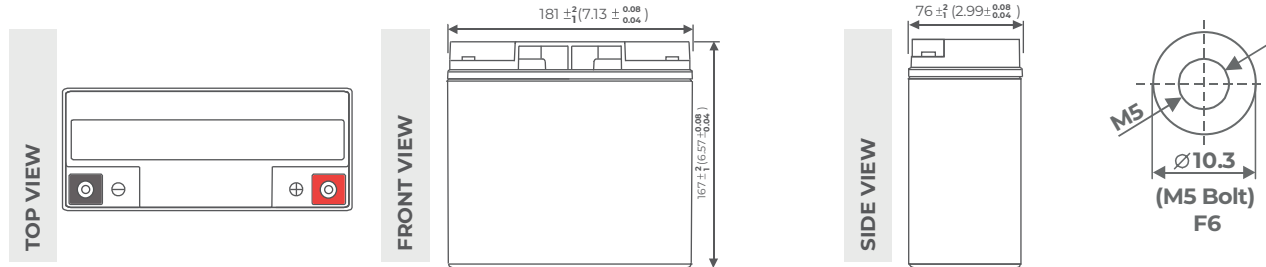


OBS1218M5 (12V 18Ah)

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	98.9	116	128	135	137	139	141
10 min	67.0	77.1	84.5	89.1	90.2	91.7	92.9
15 min	57.2	64.5	69.4	72.5	73.3	74.2	75.1
30 min	32.7	35.1	37.7	39.4	39.8	40.3	40.8
60 min	18.8	19.8	20.7	21.3	21.5	21.8	22.2
120 min	11.9	12.4	12.7	13.1	13.2	13.3	13.5
180 min	8.75	9.10	9.33	9.53	9.60	9.68	9.78
240 min	6.63	6.93	7.12	7.27	7.32	7.38	7.46
300 min	5.82	6.05	6.17	6.27	6.30	6.35	6.41
600 min	3.4	3.52	3.60	3.67	3.68	3.72	3.75
1200 min	1.77	1.83	1.88	1.92	1.93	1.95	1.96

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	62.6	68.3	71.9	75.1	76.4	77.8	80.2
10 min	38.6	41.8	44.3	46.5	47.4	48.4	50.1
15 min	31.9	34.6	36.3	37.7	38.2	38.8	39.7
30 min	17.4	18.7	19.8	20.7	21.0	21.4	21.9
60 min	9.74	10.3	10.7	11.0	11.1	11.3	11.5
120 min	5.98	6.23	6.39	6.53	6.58	6.64	6.72
180 min	4.35	4.52	4.64	4.73	4.76	4.80	4.85
240 min	3.43	3.52	3.58	3.62	3.63	3.65	3.68
300 min	2.96	3.02	3.07	3.11	3.12	3.14	3.16
600 min	1.73	1.77	1.80	1.82	1.83	1.84	1.85
1200 min	0.893	0.914	0.931	0.946	0.952	0.959	0.962

* Product specifications are subject to change without notice.
 * US-V2007-REV3.03



Osonix
www.en.osonix.com
info@osonix.com