



OBS1234M5 (12V 34Ah)

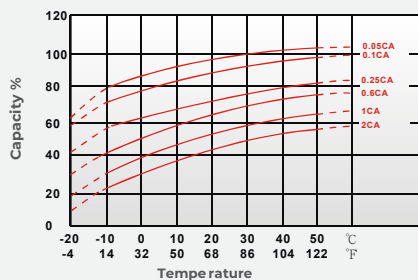
VRLA - AGM Battery

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.

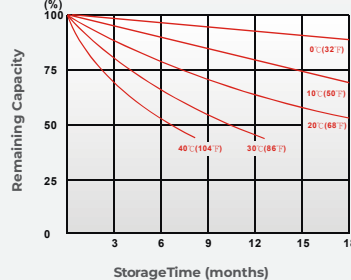
SPECIFICATIONS Design according with IEC60896, IEC61056

| | | | | |
|--|--------------------|---------|--|----------------------------------|
| 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 | 9.9Kg (21.8lb) | | Charge Retention (shelf life) at 20°C (68°C) | |
| Internal Resistance (at 1KHz) | 10 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: 5 N-m (51kgf-cm) |
| | | | Maximum allowable torque value | M5: 6 N-m (61kgf-cm) mm(inch) |

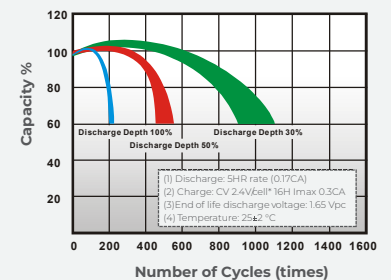
Effect of Temperature on Capacity 25°C (77°F)



Capacity Retention Characteristic

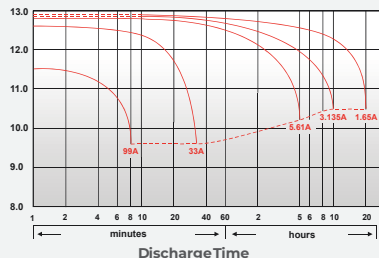


Cycle Service Life

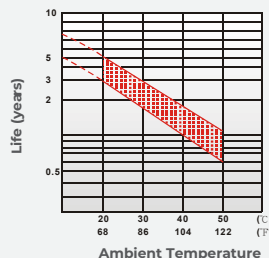


(V) FOR 12V BATTERY

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

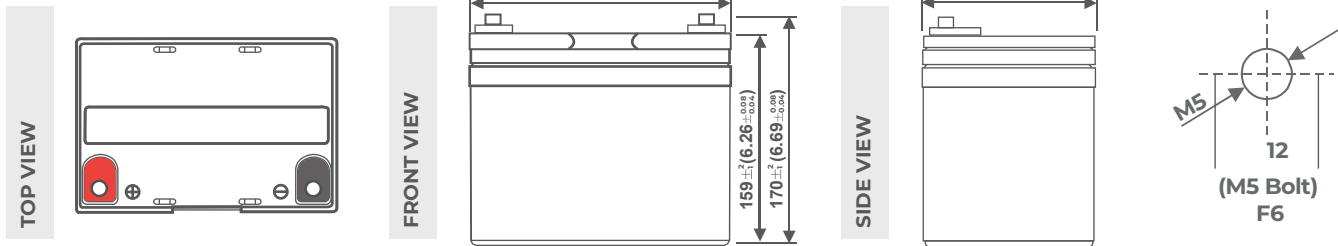


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DIMENSIONS



PERFORMANCE DATA

DISCHARGE RATES IN WATTS TO VARIOUS END VOLTAGES AT 25°C (77°F)

| Voltaje Final | 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)

| Voltaje Final | 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-REV3.01