



### Handling and Storage

- Can be mounted or stored in any orientation except inverted
- 2-years storage life at 77°F (25°C) without needing to charge. Recharge when the OCV is <12.2V (50% SOC).
- Classified as non-spillable and approved as non-hazardous cargo for ground, sea and air transportation in accordance with the requirements of IMDG (International Maritime code for Dangerous Goods) and ICAO (International Civil Aviation Organisation)

### Charging and Self-Discharge

|                                          |                     |
|------------------------------------------|---------------------|
| Cyclic Charge Voltage                    | 14.4 - 14.8V @ 25°C |
| Float Charge Voltage                     | 13.5 - 13.8V @ 25°C |
| Charger voltage at 68°F (20°C)           | 14.4V to 14.8V      |
| Self-discharge per month at 68°F (20°C)  | 1.25%               |
| Self-discharge per month at 104°F (40°C) | 5%                  |
| 80% depth of discharge cycles            | 400                 |

### Accreditations

The management systems governing the manufacture of this product are ISO 9001 and ISO 14001 certified.

\*Cold Start Performance S.A.E J537 Apr 2016

## Technical Data Sheet

### ODX-AGM31M

- Group 31 with brass SAE posts, 3/8 inch positive and 5/16 inch negative thread SS stud terminals and single external vent
- Absorbed Glass Mat (AGM) with Thin Plate Pure Lead (TPPL)
- Advanced dual purpose battery for engine start and deep cycle use

### Power and Performance

|                                           |                                                      |
|-------------------------------------------|------------------------------------------------------|
| Voltage                                   | 12V                                                  |
| Pulse (5 second) Hot Cranking Amps (PHCA) | 2150A                                                |
| MHPCA                                     | 1950A                                                |
| MPCA                                      | 1625A                                                |
| Cold Cranking Amps (CCA)                  | 1150A                                                |
| HCA                                       | 1545A                                                |
| MCA                                       | 1370A                                                |
| 20Hr Nominal Capacity (Ah)                | 103Ah                                                |
| 10Hr Nominal Capacity (Ah)                | 98Ah                                                 |
| Reserve Capacity Minutes                  | 220 mins                                             |
| Terminal                                  | SAE and 3/8-16" Stud (Pos.),<br>5/16-18" Stud (Neg.) |
| Torque Spec in-lbs (Nm max)               | 200 (22.6)/100 (11.3) studs only                     |
| Internal Resistance (mΩ)                  | 2.2 mΩ                                               |
| Short Circuit (A)                         | 5000A                                                |
| Recommended Min. Charging Current (A)     | 9.8A                                                 |
| UPC                                       | 635241140675                                         |

### Dimensions and Weight

|                             |                    |
|-----------------------------|--------------------|
| Length                      | 13 in / 330 mm     |
| Width                       | 6.8 in / 173 mm    |
| Height (terminals included) | 9.9 in / 251 mm    |
| Height (container)          | 8.9 in / 226 mm    |
| Weight                      | 77.8 lbs / 35.3 kg |

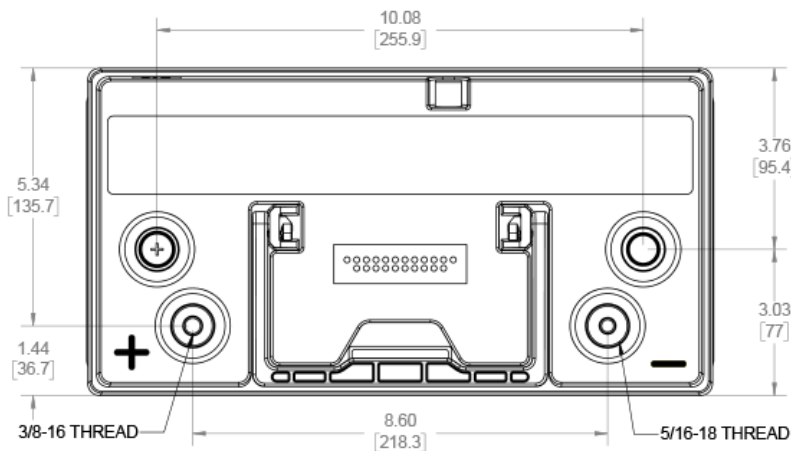
See Line Drawing on next page

### Temperature

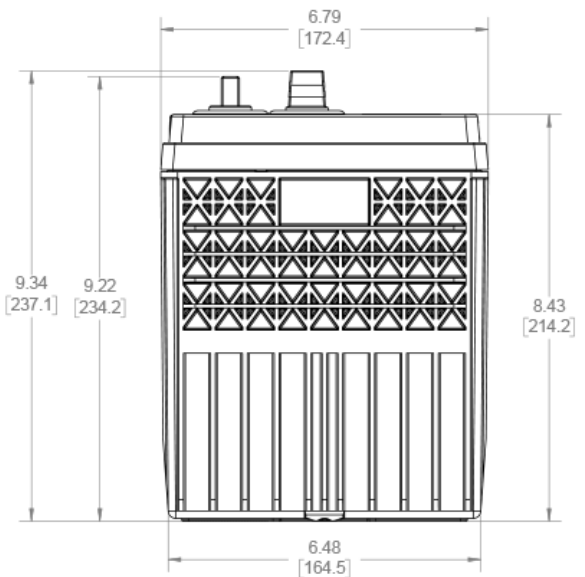
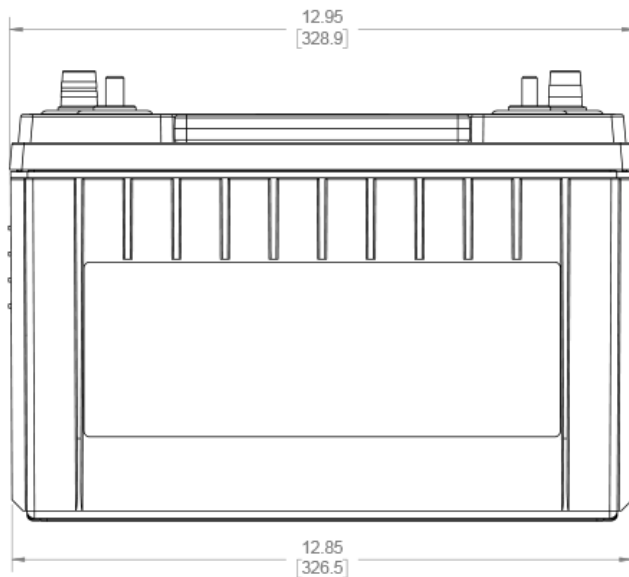
|                             |                                |
|-----------------------------|--------------------------------|
| Operating temperature range | -40°F / -40°C to 176°F / +80°C |
| Optimum storage temperature | 68°F / +20°C                   |

### ODX-AGM31M

#### Line Drawing



**ODX-AGM31M  
LEFT POSITIVE  
DUAL TERMINALS  
(SAE & STUD)**



#### ODYSSEY batteries – AGM<sup>2</sup> Thin Plate Pure Lead (TPPL) Technology

ODYSSEY<sup>®</sup> AGM<sup>2</sup> Thin Plate Pure Lead (TPPL) batteries feature 99% pure lead plates that are extremely thin, so more of them fit into the battery. More plates mean more power – ODYSSEY AGM<sup>2</sup> TPPL batteries deliver twice the power and three times the service life of any other conventional battery, outperforming standard AGM or SLI (flooded) batteries in terms of power density, fast-charge acceptance, shelf life, durability and most important – value for your money.

Technical Data Sheet correct at time of exporting PDF. Please check website for updates.