



### 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-AGM31R

- Group 31 with SS 3/8 inch threaded stud terminals
- 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        |
| 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                                  | 3/8-16" Stud |
| Torque Spec in-lbs (Nm max)               | 200 (22.6)   |
| Internal Resistance (mΩ)                  | 2.2 mΩ       |
| Short Circuit (A)                         | 5000A        |
| Recommended Min. Charging Current (A)     | 9.8A         |
| UPC                                       | 635241140477 |

### Dimensions and Weight

|                             |                    |
|-----------------------------|--------------------|
| Length                      | 13 in / 330 mm     |
| Width                       | 6.8 in / 173 mm    |
| Height (terminals included) | 9.5 in / 241 mm    |
| Height (container)          | 8.6 in / 218 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                   |



## Technical Data Sheet

### ODX-AGM31R

#### Line Drawing

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

ODYSSEY® 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.