# Technical Data Sheet

## ODP-AGM78




- Group 78 SAE lead posts
- Absorbed Glass Mat (AGM) with Thin Plate Pure Lead (TPPL)
- Advanced dual purpose battery for engine start and deep cycle use

## 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 @ 25ºC |
| Float Charge Voltage | 13.5 - 13.8V @ 25ºC |
| 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

## Power and Performance

| | |
|---|---|
| Voltage | 12V |
| Pulse (5 second) Hot Cranking Amps (PHCA) | 1500A |
| Cold Cranking Amps (CCA) | 800A |
| HCA | 1200A |
| MCA | 1000A |
| 20Hr Nominal Capacity (Ah) | 65Ah |
| 10Hr Nominal Capacity (Ah) | 57Ah |
| Reserve Capacity Minutes | 130 mins |
| Terminal | Side |
| Torque Spec in-lbs (Nm max) | 60 (6.8) |
| Internal Resistance (mΩ) | 2.9 mΩ |
| Short Circuit (A) | 2400A |
| Recommended Min. Charging Current (A) | 5.7A |
| UPC | 635241140606 |

## Dimensions and Weight

| | |
|---|---|
| Length | 10.8 in / 274 mm |
| Width | 6.8 in / 173 mm |
| Height (terminals included) | 7.4 in / 188 mm |
| Height (container) | 7.4 in / 188 mm |
| Weight | 47.1 lbs / 21.4 kg |

**See Line Drawing on next page**

## Temperature

| | |
|---|---|
| Operating temperature range | -40°F / -40°C to 140°F / +60°C |
| Optimum storage temperature | 68°F / +20°C |

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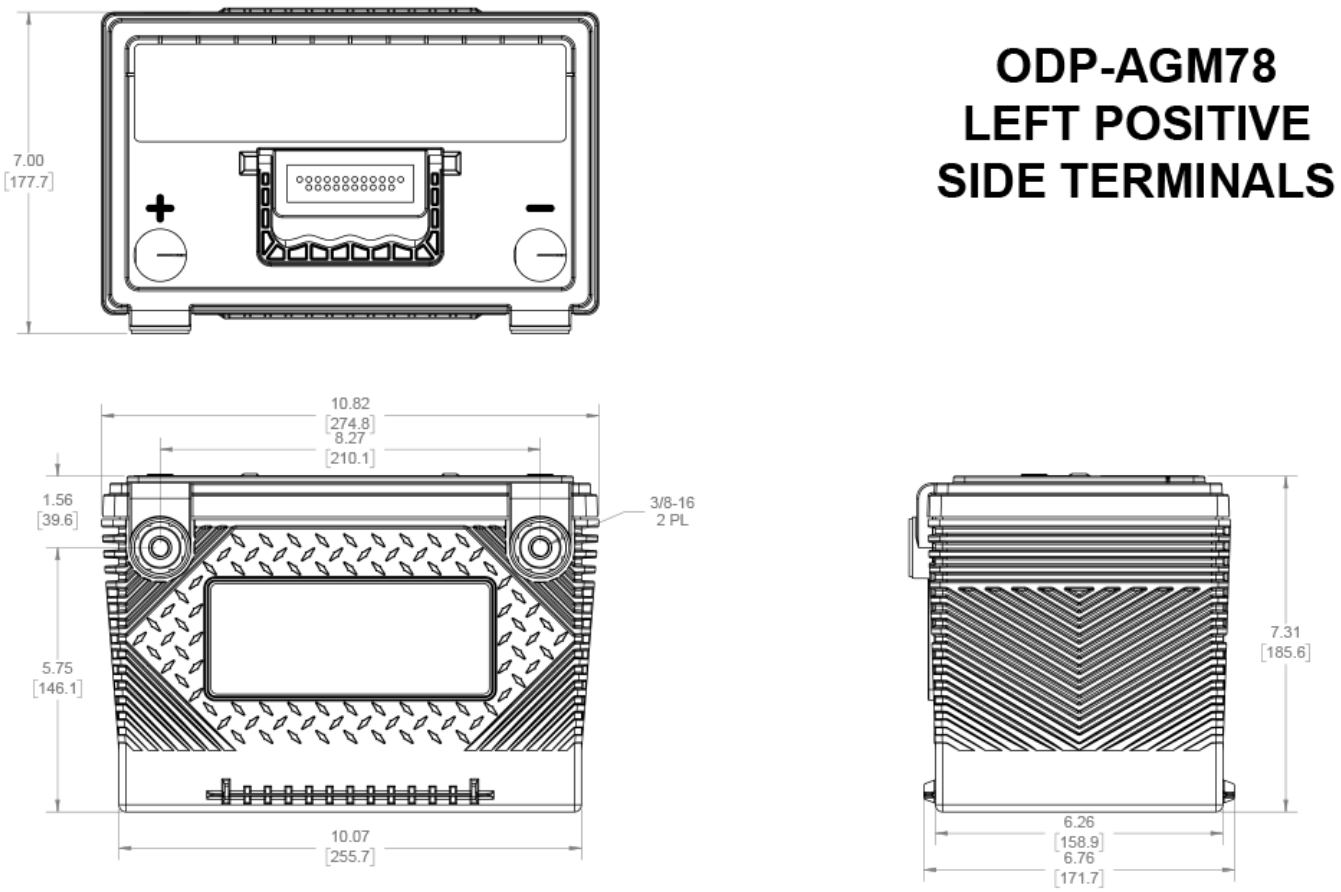
**Want more info? Scan code to access the ODYSSEY® Battery Literature Library**

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## Line Drawing




## ODYSSEY batteries – AGM² Thin Plate Pure Lead (TPPL) Technology

ODYSSEY® AGM² 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 AGM² 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.

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