Technical Data Sheet

ODS-AGM390FTT

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

Handling and Storage

- This model is not intended to be operated on its side.
- 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)	1675A
Cold Cranking Amps (CCA)	1220A
HCA	1500A
MCA	1400A
20Hr Nominal Capacity (Ah)	182Ah
10Hr Nominal Capacity (Ah)	170Ah
Reserve Capacity Minutes	390 mins
Terminal	M6 Stud
Torque Spec in-lbs (Nm max)	60 (6.8)
Internal Resistance (mΩ)	3 mΩ
Recommended Min. Charging Current (A)	17A
UPC	635241142600

Dimensions and Weight

Length	22.09 in / 561 mm
Width	4.92 in / 125 mm
Height (terminals included)	12.46 in / 316 mm
Height (container)	in / mm
Weight	128 lbs / 58 kg

See Line Drawing on next page

Temperature

Operating temperature range	-40°F / -40°C to 113°F / +45°C
Optimum storage temperature	68°F / +20°C

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

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

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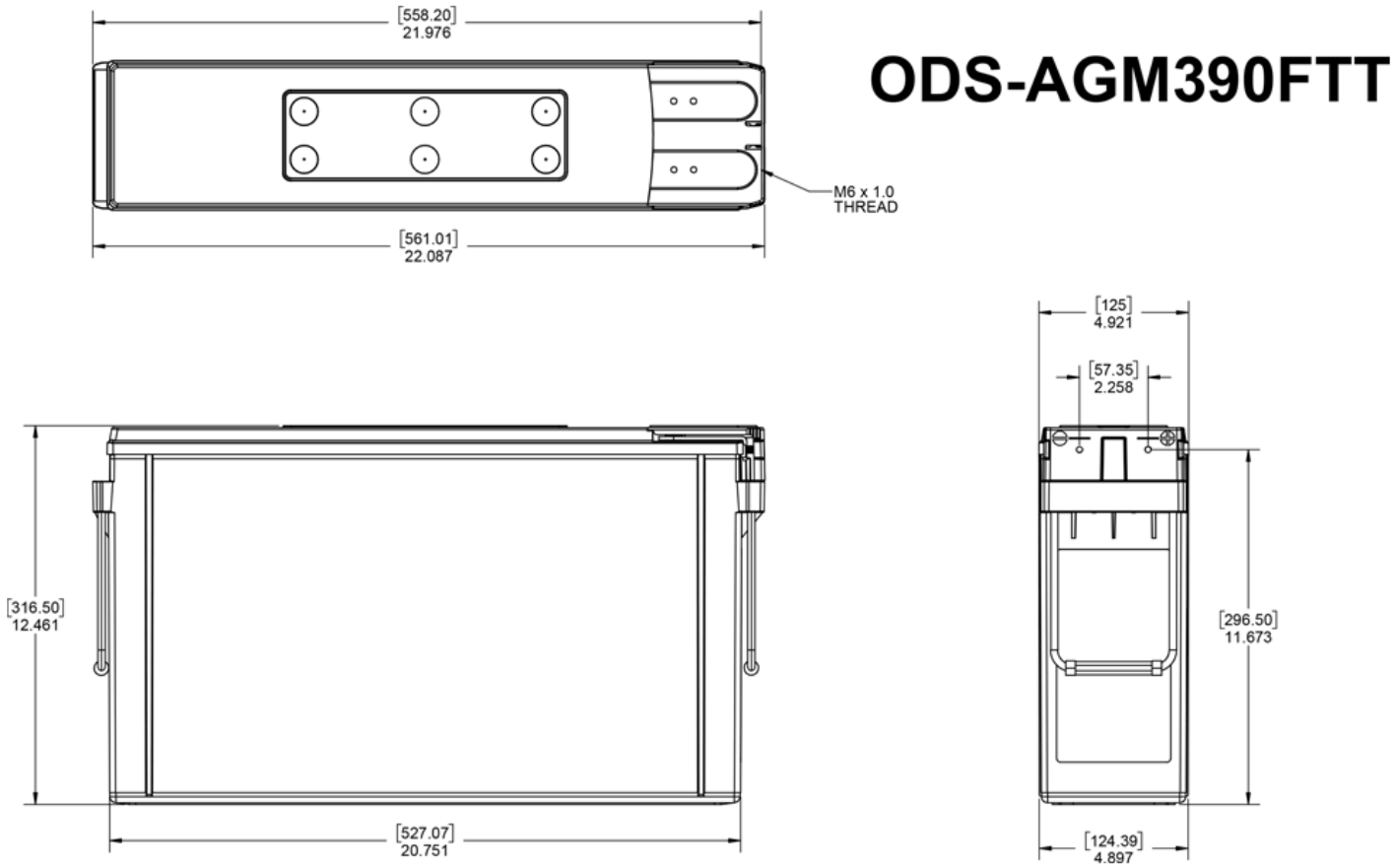
Line Drawing



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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