Technical Data Sheet

ODS-AGM8E



- Internal threaded tin-plated brass terminals, SS M4 bolts
- 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)	310A
Cold Cranking Amps (CCA)	100A
HCA	200A
MCA	155A
20Hr Nominal Capacity (Ah)	8Ah
10Hr Nominal Capacity (Ah)	7Ah
Reserve Capacity Minutes	9 mins
Terminal	M4 Receptacle
Torque Spec in-lbs (Nm max)	8.9 (1.0)
Internal Resistance (mΩ)	27.1 mΩ
Short Circuit (A)	455A
Recommended Min. Charging Current (A)	0.7A
UPC	635241141948

Dimensions and Weight

Length	5.4 in / 137 mm
Width	3.4 in / 86 mm
Height (terminals included)	3.9 in / 99 mm
Height (container)	3.9 in / 99 mm
Weight	5.9 lbs / 2.7 kg

See Line Drawing on next page

Temperature

Operating temperature range	-40°F / -40°C to 122°F / +50°C
Optimum storage temperature	68°F / +20°C

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

EnerSys World Headquarters
2366 Bernville Road
Reading, PA 19605, USA
Tel: +1-800-964-2837

EnerSys EMEA
EH Europe GmbH
Baarerstrasse 18
6300 Zug, Switzerland

EnerSys APAC
No. 85, Tuas Avenue 1
Singapore 639518
Tel: +65 6558 7333

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

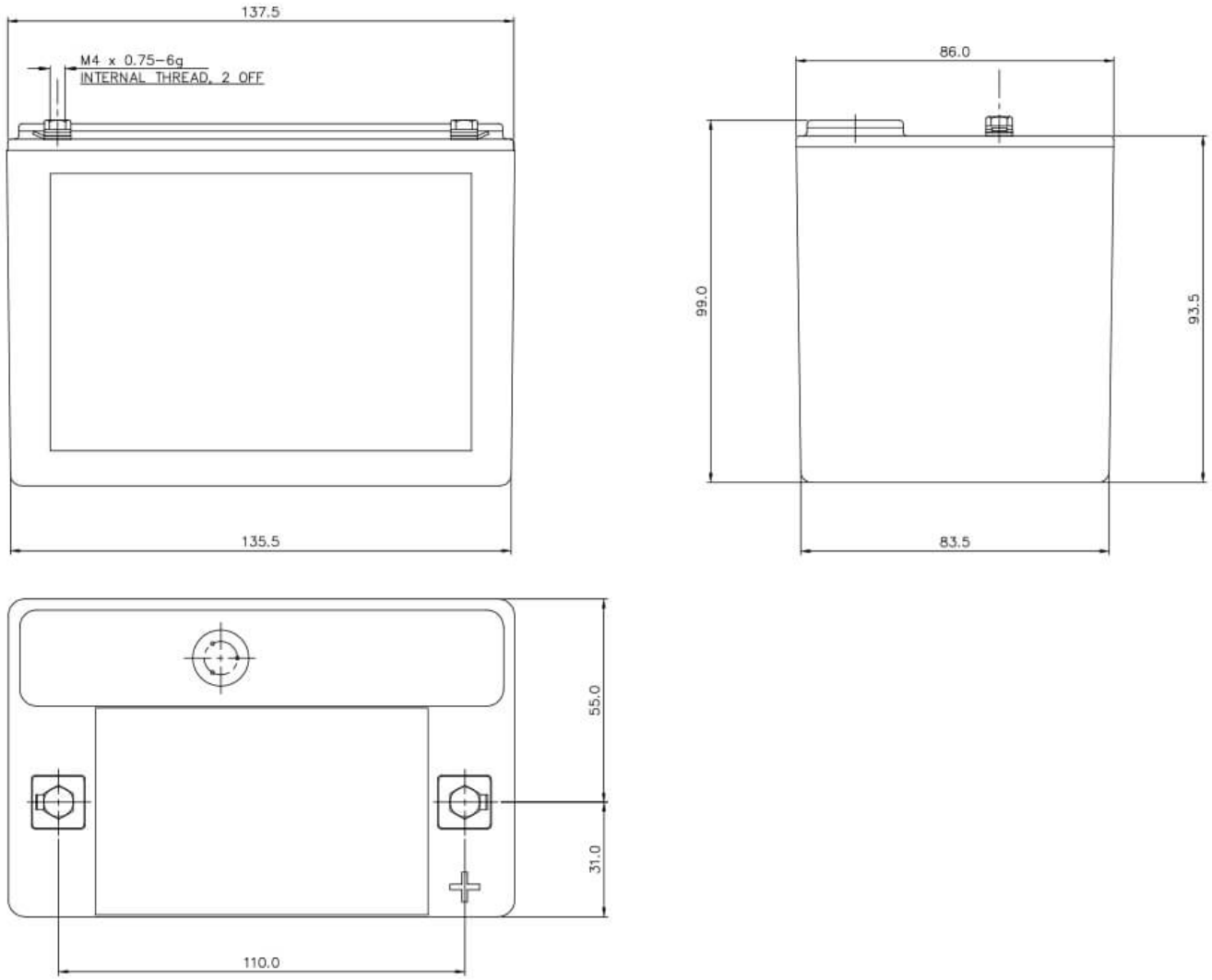
© 2026 EnerSys. All rights reserved. Trademarks and logos are the property of EnerSys and its affiliates unless otherwise noted. Subject to revisions without prior notice. E.&O.E.

PDF Generated at https://eu.odysseybattery.com 11/08/2026 19:09:22

Technical Data Sheet

ODS-AGM8E

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.

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

EnerSys World Headquarters
2366 Bernville Road
Reading, PA 19605, USA
Tel: +1-800-964-2837

EnerSys EMEA
EH Europe GmbH
Baarerstrasse 18
6300 Zug, Switzerland

EnerSys APAC
No. 85, Tuas Avenue 1
Singapore 639518
Tel: +65 6558 7333

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

© 2026 EnerSys. All rights reserved. Trademarks and logos are the property of EnerSys and its affiliates unless otherwise noted. Subject to revisions without prior notice. E.&O.E.