



## Technical Data Sheet

### ODP-AGM27F

- Group 27 Absorbed Glass Mat (AGM) battery with Thin Plate Pure Lead (TPPL)
- Massive starting power, rapid recovery, and amazing deep cycling capability
- 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 @ 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

### Power and Performance

Voltage	12V
Pulse (5 second) Hot Cranking Amps (PHCA)	1500A
Cold Cranking Amps (CCA)	850A
HCA	1150A
MCA	975A
20Hr Nominal Capacity (Ah)	85Ah
10Hr Nominal Capacity (Ah)	79Ah
Reserve Capacity Minutes	182 mins
Terminal	SAE
Torque Spec in-lbs (Nm max)	N/A
Internal Resistance (mΩ)	3.8 mΩ
Short Circuit (A)	2400A
Recommended Min. Charging Current (A)	7.9A
UPC	635241140552

### Dimensions and Weight

Length	12.5 in / 318 mm
Width	6.8 in / 173 mm
Height (terminals included)	8.8 in / 224 mm
Height (container)	8.2 in / 208 mm
Weight	59.7 lbs / 27.1 kg

### Temperature

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

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**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 Asia**  
No. 85, Tuas Avenue 1  
Singapore 639518  
Tel: +65 6558 7333

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#### **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.

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