

Thermo King EON Battery Sales Guide



EON Battery



AGM Technology

- AGM = “Absorbed Glass Mat”
- There is no free acid inside the battery
- All of the acid is kept absorbed in the glass mat separators
- Acid can’t spill and battery is considered safe for regular shipping methods



EON - Features & Benefits



Feature

Benefit

Temperature	-40F to 180F	Won't freeze at low temperatures, works in extreme heat
Shock and Vibration	Press fit plates, plasma welded cell connections	EON doesn't fail from vibration, proven to last in demanding rail applications
Internal Resistance	Very Low	Charges over twice as fast as a conventional battery
Charge Cycles	400 Charge / Discharge Cycles	Can handle deep cycling and alternator failure much better than wet batteries
Maintenance	Maintenance - Impossible	AGM technology means no adding water and no cleaning terminals
Lead	Pure Lead	EON is built with pure lead to increase capacity and eliminate impurities that shorten battery life

Competition – Dry Cell



	EON	Competition
Warranty *Full Replacement	4 Years	2 Years
CCA *The number of amps a new, fully charged battery can deliver at 0° Fahrenheit for 30 seconds, while maintaining a voltage of at least 7.2 volts	1150	900
Reserve Capacity *25 Amp discharge rate to 10.5 Volts. The higher the reserve rating, the longer you can operate hotel loads with the engine off or equipment in the event of an alternator failure.	200 min	155 min

Competition – Wet Cell

EON



Flooded Lead Acid

Warranty

4 Years

18 Months

*Full Replacement

CCA

1150

700 - 950

*The number of amps a new, fully charged battery can deliver at 0° Farenheit for 30 seconds, while maintaining a voltage of at least 7.2 volts

Reserve Capacity

200 min

180 min

*25 Amp discharge rate to 10.5 Volts. The higher the reserve rating, the longer you can operate hotel loads with the engine off or equipment in the event of an alternator failure.

Expected Life

5-7 Years

18-24 Months

*Under typical conditions in a reefer.

Shipping

Non-Spillable

Hazardous

*Special handling required for hazardous products.

Corrosion

No

Yes

*Corrosion of terminals, tie downs, and cables

Truck / Tractor Applications

- Ideal for SP Truck applications – batteries are often used for both Truck and Reefer
- Tractor Applications – Two Issues
 1. Cranking Power – CCA equal or better than original equipment batteries
 - 4 for 3 – 4 wet batteries have 2800 CCA versus 3450 CCA for 3 EONs.
 2. Reserve Capacity – Measure of ability to power hotel loads.
 - 4 for 3 – 4 wet batteries have 720 minutes versus 600 minutes for 3 EONs. This is important depending on whether they run an APU or use significant battery power with the engine off.



THERMO KING

