

## Why Eco-Tech 305-I Alternators?

1. Eco-Tech 305-I Alternators *satisfy the electrical load at engine idle* without a Voltage decrease while *also decreasing operating costs*.
  - Alternator life and reliability are improved due to the ease with which Eco-Tech Alternators handle high electrical loads, such as supporting static inverters and Telma brake retarders.
  - Battery life is extended because of the elimination of battery deep discharge cycling that occurs during vehicle operation.
  - Engine life is increased as a result of the elimination of high rpm operation that occurs when the high idle setting is engaged.
2. New *patented technology* – The Eco-Tech 305-I generates 260 Amperes at 1,800 Alternator rpm (engine idle). A current common alternator would have to be rated at a minimum of 700 Amperes to produce 260 Amperes at idle.\*
  - Introduced to the market more than seven years ago
3. *Fuel economy improved* while engine exhaust emissions and noise are reduced.
  - Eliminates the fuel penalty experienced during high idle operation (52% for the 7.3L Ford engine)
  - Additional fuel economy benefits due to Eco-Tech Alternators' efficiency improvement, i.e. 50% less engine drag for the same electrical output
4. *Saves original cost* by eliminating the need for the following components:
  - High idle devices
  - Load shedding devices
  - Multiple battery packs with their associated battery isolators and battery selector switches

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\* Typical competitors' 320 Ampere rated alternators deliver 85-90 Amperes at idle.