

Delphi 42-Volt Belt Alternator Starter Stop-Start System

▶ Description

Delphi's Belt Alternator Starter (BAS) Stop-Start System is a state-of-the-art 42-volt, belt-driven starter generator that helps reduce fuel consumption and improves on-board power generation. Applicable to vehicles with 4-8 cylinder engines and light-duty trucks, the stop-start system turns the engine off while at idle and uses the accessory belt to promptly restart when the driver is ready to proceed.

▶ Minimum Order Quantity

- 5000

▶ Benefits

- Enhanced fuel economy: Stop-start feature enables engine-off-at-idle and limited regenerative braking
- Quiet engine start from a belt driven machine
- 42V system provides 4-6 kW of on-board electrical power, enabling a transition from mechanical to electrical accessories
- Engine-off at idle reduces passenger compartment noise
- Easily integrated into existing powertrains

▶ Features

- Engine stop/start
- Regenerative braking (ability to recapture lost energy)
- Torque smoothing (engine stop)
- Power boost 6kW (potential to down-size engine)
- High power 42V generation: 4 kW continuous for electrically driven components



Integrated Electronics:
Inverter, Machine Controller and DC/DC Converter