

# Delphi Hybrid Vehicle Controllers

## ▶ Description

Delphi hybrid vehicle controllers are designed to provide intelligent control to any hybrid electric vehicle application and enable them to function more efficiently, reliably, and economically. Based on Delphi's proven powertrain controller designs, they make multiple instantaneous measurements to enable real-time adjustment of the traction inverter and converter set points as well as electric machine and battery management system operating points. Also capable of managing vehicle-level HEV safety algorithms, these controllers are flexible enough to be used on a wide variety of vehicle applications and across multiple HEV architectures.



Hybrid Vehicle Controllers

## ▶ Minimum Order Quantity

- 5000

## ▶ Benefits

- Based on high-volume, low-cost Delphi powertrain controller
- Readily configurable microprocessor and software to meet customer specific functions
- Flash programming provides for in-vehicle memory updates
- Up-integrated design reduces weight and wiring
- Mounting flexibility: underhood or passenger compartment

## ▶ Features

- Microprocessor: 32-bit, 66MHz, 1MB flash memory
- Communication: CAN (2 channels), KW2000
- Instrumentation: CCP, ETAS
- Analog input: 32 channels
- Digital input: 18 channels
- Digital output: 23 channels (2 HSD, 16 LSD, 5 Relay)
- PWM output: 3 channels
- Frequency input: 8 channels
- Memory: 56kB RAM, 16kB x 2 non-volatile ROM
- Environment: underhood, -40°C – 105°C