

# AEM: VCU, VDM AND PDU

## Vehicle Control Unit (VCU)

AEM's VCU provides supervisory control of all critical vehicle systems including inverter, pre-charge resistors, high voltage contactors, DC/DC converts, on-board charger, and battery management system.



### VCU 200 - 2 Motor Control

<b>Inputs</b>		32
Analog	13	
Digital	15	
Frequency	4	
<b>Outputs</b>		22
Low Side Drivers	16	
High Side Drivers	6	

### VCU 300 - 4 Motor Control

<b>Inputs</b>		45
Analog	31	
Digital	8+	
Frequency	5	
<b>Outputs</b>		45
Low Side Drivers	39	
High Side Drivers	2+	

## Vehicle Dynamics Module (VDM)



### Features

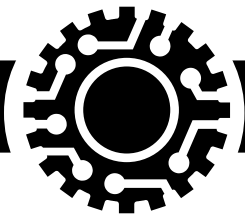
- 3-Axis Accelerometer
- 3-Axis Gyrometer
- 10Hz GPS w/ IP67-Rated Antenna
- AEMnet CAN bus Connector

## Power Distribution Unit (PDU)



### Features

- 8 Channel CAN driven slave to VCU
  - 4x: 20 amp
  - 4x: 10 amp
- AEMnet CAN bus Connector



# AEM: DISPLAYS AND ACCESSORIES

## Digital Dash Displays



CD 7 Flat Dash (Flush Mount)



CD 7 Dash with Shade (Includes Buttons)

### Features

- Full Color 7 inch screen
- Four Available:
  - Non-Logging / Non-GPS Display
  - Logging Display / Non-GPS Display
  - Non-Logging Display with Internal GPS
  - Logging Display with Internal GPS



Example of logged data from AEM Dash.

## CAN Keypad (8-Button)



### Features

- Replaceable Key Insert Graphics
- Compact CAN-based interface between humans and VCU

## AEM Accessories



AEM Button Kit

### AEM Accessories

- VCU Wiring Harness
- Button Kit
- Relay Kit