



## SEM600

Motor Controller  
US Pat. No. 7,956,558

### Product Highlights

- No Motor speed sensor
- No steering angle sensor
- Permanent differential control
- Automatic differential lock

The SEM Dual motor power panel control drives 2 separately excited traction motors providing continuous differential operation and automatic differential lock when needed.

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No motor speed sensor and steering angle sensor are needed.

When used in conjunction with a GP400 module in the base control box, a P600 pump controller and a GP440 module in the platform control box the SEM Dual motor controller provides a complete control solution for electric boom vehicle with electric drive.

Electric Scissor lift control can be achieved with the addition of a GP400 module in the ground control box and a P600 pump motor controller.



TRIONIC  
vehicle controls

### General Features

- 480A traction motor continuous current
- CAN bus interface
- RS232 connection to hand-held "EZcal" for calibration and diagnostics
- "FLASH" memory allows configuration to specific customer needs
- Failsafe functionality to comply with EN 954-3

### Technical Data

Power supply	48V		
Motor Peak Rating	15HP		For Each Motor
Waterproof	IP 65		
Working Temperature	-40 + 60°C		
Overall Dimensions	8 ½" x 9 ¾" x 2 ½"		L x W x H
	216 x 248 x 64 mm		

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