

Autonomous Electric Power Steering

Motorsport MGU with Autonomous Control

DCE is the market leader in providing Electric Power Steering, with a range of solutions available. We can provide our most powerful MGU (motor gearbox unit) with an autonomous controller for certain applications.

- Ideal for mid-size, 12V DC vehicles with no existing PAS system.
- MGU is fitted anywhere in line between the steering wheel and rack input pinion.
- Input shaft allows manual control as well as autonomous control.
- System can provide up to 81 ft.lbs / 110Nm of steering column torque.
- CAN Bus control using one of the three following options:
 - Sending a simulated torque sensor signal.
 - Sending a +/- duty cycle demand for direct control of the EPAS motor.
 - Sending heading and gain request for the EPAS motor to steer to.



Parts required include:

- 1x EPAS01 MGU
- 1x EPAS18A Autonomous ECU
- 1x EPAS19 Wiring Harness
- 1x PNU0097 Steering Angle Sensor

Technical Specification and Contact Details overleaf

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Technical Specification

Operating Voltage	Nominal 13.8V DC
Maximum current draw	80 Amps
System Weight (EPAS01 & EPAS18A)	6.45kg / 14.2lbs
Maximum Torque Output	110NM / 81lb ft.
No Load Rotation Speed	780 degrees per second
Input / Output Spline Pattern	9/16" - 36

Optional Accessories

EPAS07b	Motorsport Assembly Straight Coupler
EPAS08b	Motorsport Assembly Universal Joint



Contact us for more details:

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