

# SEM2

## ELECTRIC MOTOR

Smaller, Lighter For Your Autosteer Vehicles



### SUPERIOR PERFORMANCE

SEM2 is an automatic driving steering control motor that integrates the electric motor and ECU into one rugged device, outputting stable and high torque. Two modes of speed control/ position control to suit your different work scenarios. With large and stable torque, low noise, low heat, high precision and overload control, SEM2 shows superior performance.

### EASY TO USE

With few cable connection and clear guide, SEM2 can be easily installed on the vehicle within 15min. Easy to install and maintain makes it a reachable solution for all farmers. Adopts the integrated design of drive and control, it can be widely used on vehicle auto-steering related applications, like precision agriculture.

### GREAT DURABILITY

For the internal design, the SEM2 realizes long-term operations with less heating, which protects its components and prolongs the working life. As for the outside housing, SEM2 features IP67 waterproof and dustproof level, suitable for agricultural and other outdoor harsh working environment.

MOTOR PARAMETER

Rated speed	100 rpm
Max torque	9 N*M
Control mode	Speed Mode, Position Mode

ELECTRICAL

Rated voltage	12V DC
Voltage range	9 ~ 36V DC
Rated current	10A
Stall current	25A

PHYSICAL

Dimension	Φ181.5mm*60.4mm
Weight	2.8kg
Material	Aluminum alloy

COMMUNICATIONS

Interface	RS232, Analog to Digital conversion
Protocol	ModBUS

ENVIRONMENTAL

Operating temperature	-20 °C to + 70 °C
Storage temperature	-40 °C to + 85 °C
Environmentally	IP67 dustproof and waterproof

All specifications are subject to change without notice.

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