

Key Features:

- ◆ Operating Voltage: 24V-60V DC
- ◆ Output Current: Peak 1A-45A
- ◆ Repeat Tracking Error: 1 pulse
- ◆ Speed Control Accuracy: 1 RPM
- ◆ Input Frequency Range: 500 kHz
- ◆ Maximum Rotational Speed: 5000 RPM
- ◆ Minimum Rotational Speed: 1 RPM
- ◆ Positioning Accuracy: Incremental type 1/10,000; Absolute type 1/131,072
- ◆ Maximum No-load Acceleration: 200 RPM/ms
- ◆ Rated Speed: 3000 RPM (Supports up to 5000 RPM)
- ◆ Control Modes: External pulse, analog input, RS485, CAN bus communication control, etc., supports position, speed, and torque control modes
- ◆ Parameter Tuning & Testing: RS232 communication interface with PC debugging software; supports parameter backup and import
- ◆ Protection Functions: Undervoltage, Overvoltage, Overload, Overcurrent, Excessive Position Deviation, Encoder Fault; Alarm Output.
- ◆ Compatible Motors: 100W-2000W low-voltage DC servo motors (24V-60V), Brushless DC Motors (BLDC) with encoder, or coreless motors.

Port / Interface Functional Description:

- ✧ External Analog Potentiometer Input
- ✧ Encoder Incremental Differential Signal Input
- ✧ Holding Brake Output / Brake Output
- ✧ Differential Enable Input (Servo ON/OFF)
- ✧ RS485 Communication Bus Interface
- ✧ Braking Resistor Connection (for dynamic braking)
- ✧ Differential Direction Input
- ✧ CAN Communication Bus Interface
- ✧ Encoder Absolute Value Communication Interface
- ✧ Encoder Differential Output
- ✧ Fault Alarm Indicator
- ✧ Digital Tube Display (7-Segment Display)
- ✧ Differential Pulse Signal
- ✧ Positive Limit Switch Input
- ✧ Reverse Limit Switch Input
- ✧ Alarm Reset Input
- ✧ Ready Signal Output
- ✧ Homing Signal Input
- ✧ Positioning Signal Output
- ✧ Z-pulse Output (Open-collector Type)

