

SV200 Digital Servo Drives

Advanced Performance with Multiple Control Options



Product Features

- *Auto-tuning*
- *Anti-vibration function*
- *120 or 220 VAC single-phase or 3-phase input power, 50/60 Hz*
- *Wide range of control options*
- *8 regular digital inputs, 5-24 VDC*
- *4 high-speed digital inputs, 5-24 VDC*
- *6 digital outputs, 30 VDC max*
- *2 analog inputs, -10 to +10 V*
- *Fault protection*



Series Details:

Why choose SV200 digital servo drives?

SV200 digital servo drives are a smart choice for your next project because they offer so much functionality. The range of control options in these drives includes pulse & direction, analog torque or velocity, streaming commands, stored program execution and fieldbus.

What special features do these drives offer?

The SV200 servo drives utilize programmable notch filters, an anti-vibration algorithm and auto-tuning. These features ensure smooth motion and accurate positioning for the most demanding applications, as well as an easy means of configuring the drive. Auto-tuning is handled by the SVX Servo Suite software, which is the central point for all configuration and programming of the drive. This powerful software is also free, and only a download away. Find it [here](#).

What motors are recommended for these drives?

The SV200 servo drives are designed to be used with J Series servo motors in the 200W, 400W and 750W power range. Start the process of selecting the right motor and drive for your application by first determining which J Series motor has the right amount of torque for your load. The speed-torque curves for these motors are an excellent resource for this. Once you've chosen the right motor, the Recommended Products section of the motor page will show you which SV200 servo drives are the best fit for the motor.

Which SV200 servo drive is the best for my application?

After selecting the right J Series servo motor, select the control option of the SV200 servo drive that best meets your control requirements. For basic pulse & direction or analog torque/velocity applications choose the P model. For streaming commands, stored program execution or Modbus communications choose the Q model. For CANopen networking choose the C model, and for EtherNet/IP networking choose the IP model. The model numbering diagram to the right shows more detail about the different SV200 servo drives available.

What interface options are supported for PLCs?

If your machine has a PLC in the design you have a few control options to choose from. You may choose the popular pulse & direction control option, which offers a simple digital interface for controlling the drive. In this scenario all of the motion programming is done within the ladder logic (or code) of your PLC. If you prefer to leave the motion programming to us you can also choose stored program execution, which makes use of our powerful Q programming environment for creating either simple or complex motion programs for storage in the drive. The PLC can then simply handshake with the drives via discrete I/O or an EtherNet/IP network connection.

What if I still have questions?

Along with excellent functionality and performance, SV200 digital servo drives come with top notch support. Use the form below to submit any questions you may have.

Products in the Series *SV200 Digital Servo Drives*

| Model Number | Supply Voltage | Control Modes | Output Current, Continuous | Output Current, Peak | Communication Ports | 1pc. |
|----------------------------|----------------|--|----------------------------|----------------------|---------------------|----------|
| SV2A3-C-CE | 78-139 VAC | CANopen | 3.00 | 9.00 | CANopen | \$535.00 |
| SV2A3-P-NE | 78-139 VAC | Step & Direction, Analog Torque / Velocity | 3.00 | 9.00 | NA | \$478.00 |
| SV2A3-Q-AE | 78-139 VAC | Streaming Commands, Analog Positioning, Encoder Following, Q Programming | 3.00 | 9.00 | RS-232 | \$513.00 |
| SV2A3-Q-EE | 78-139 VAC | Streaming Commands, Analog Positioning, Encoder Following, Q Programming | 3.00 | 9.00 | Ethernet | \$528.00 |
| SV2A3-Q-RE | 78-139 VAC | Streaming Commands, Analog Positioning, Encoder Following, Q Programming, Modbus | 3.00 | 9.00 | RS-485 | \$519.00 |
| SV2A5-C-CE | 78-139 VAC | CANopen | 5.40 | 13.50 | CANopen | \$665.00 |
| SV2A5-P-NE | 78-139 VAC | Step & Direction, Analog Torque / Velocity | 5.40 | 13.50 | NA | \$608.00 |
| SV2A5-Q-AE | 78-139 VAC | Streaming Commands, Analog Positioning, Encoder Following, Q Programming | 5.40 | 13.50 | RS-232 | \$643.00 |
| SV2A5-Q-EE | 78-139 VAC | Streaming Commands, Analog Positioning, Encoder Following, Q Programming | 5.40 | 13.50 | Ethernet | \$658.00 |
| SV2A5-Q-RE | 78-139 VAC | Streaming Commands, Analog Positioning, Encoder Following, Q Programming, Modbus | 5.40 | 13.50 | RS-485 | \$649.00 |
| SV2B3-C-CE | 156-264 VAC | CANopen | 3.00 | 9.00 | CANopen | \$535.00 |
| SV2B3-P-NE | 156-264 VAC | Step & Direction, Analog Torque / Velocity | 3.00 | 9.00 | NA | \$478.00 |
| SV2B3-Q-AE | 156-264 VAC | Streaming Commands, Analog Positioning, Encoder Following, Q Programming | 3.00 | 9.00 | RS-232 | \$513.00 |
| SV2B3-Q-EE | 156-264 VAC | Streaming Commands, Analog Positioning, Encoder Following, Q Programming | 3.00 | 9.00 | Ethernet | \$528.00 |
| SV2B3-Q-RE | 156-264 VAC | Streaming Commands, Analog Positioning, Encoder Following, Q Programming, Modbus | 3.00 | 9.00 | RS-485 | \$519.00 |
| SV2B5-C-CE | 156-264 VAC | CANopen | 4.50 | 13.50 | CANopen | \$665.00 |
| SV2B5-P-NE | 156-264 VAC | Step & Direction, Analog Torque / Velocity | 4.50 | 13.50 | NA | \$608.00 |
| SV2B5-Q-AE | 156-264 VAC | Streaming Commands, Analog Positioning, Encoder Following, Q Programming | 4.50 | 13.50 | RS-232 | \$643.00 |
| SV2B5-Q-EE | 156-264 VAC | Streaming Commands, Analog Positioning, Encoder Following, Q Programming | 4.50 | 13.50 | Ethernet | \$658.00 |
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