

## PLSD-6020 Brushless Low-voltage Servo Drive

The PLSD-6020 low-voltage servo driver is developed with a high-performance processor to provide users with a cost-effective servo control solution. On the premise of ensuring stability and reliability, it pursues the functions and performance that are closest to the application. Compared with stepping products, it has low noise, low heat generation, high speed, constant torque output, and no step loss; compared with stepping servo products, it completely abandons the inherent disadvantages of stepping products, and has better functions, performance and reliability. Excellent; compared with well-known foreign servos, the performance is close, the price is affordable, and it is easy to use. PLSD-6020 is a classic low-voltage DC servo drive solution with extremely high cost performance, high reliability, and can be customized according to needs, suitable for applications with extremely high cost requirements.

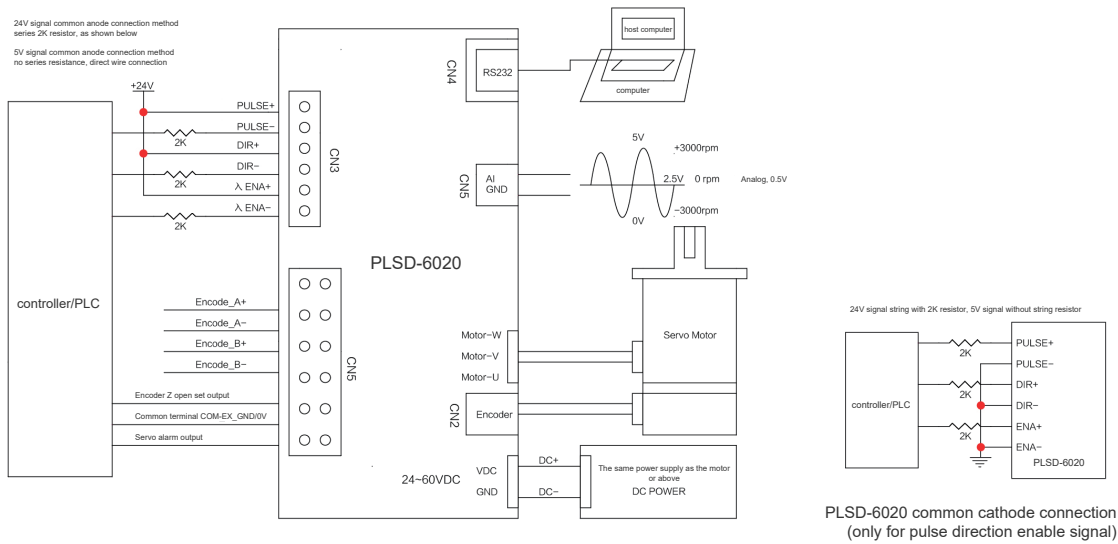
### Characteristics

- Working Voltage: 24~60VDC
- Output Current: peak 20A
- Suitable Motor: 5~600W low voltage DC servo motor, DC brushless motor with encoder or hollow cup motor
- Control Mode: external pulse (single-ended/differential), analog, CANBUS, RS232 communication control IO control, etc., support position speed and torque mode
- Parameter Debugging: RS232 communication, PC debugging software or hand-held debugger debugging can backup and import parameters
- Abnormal Protection: with under-voltage, over-voltage, overload over-current, excessive position deviation encoder abnormality and other alarm functions
- Tracking error:  $\pm 1$  pulse
- Speed Control Accuracy:  $\pm 1$ PRM
- Receive Pulse Upper Limit: 1MHZ
- Minimum Speed: 1RPM
- Maximum No-load Acceleration: 200PRM/ms

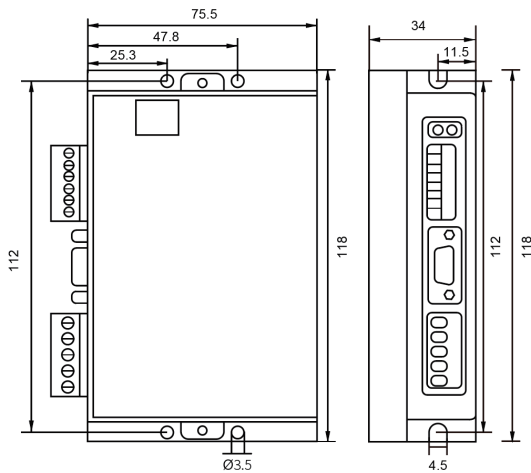
## Specifications

Model	Peak current (A)	Voltage (VDC)	Matched Motor	Dimension (mm)	Control Signal
PLSD-6020	20	24~60	Low Voltage Servo Motor Brushless DC motor with encoder Coreless Servo Motor (600W and below)	118*75.5*34	Pulse (single-ended/differential)/ Analog/ RS232/ IO

## Wiring Diagram



## Dimension



## Interface Diagram

