

# GSDC Stepper Driver

Built-in contra-position algorithm



XXY contra-position platform controller



SPL Spline Controller



Item	Description	Note
Model No.	GSDC	
Voltage	24VDC ± 10%	
Input current	6A	
Rated output current (each axis)	1.6A	
Target motor to be controlled	Two-phases step motor	
System framework	Closed-loop control system	
Communication method	RS232/RS485	selected through the DIP switch.
Control mode	Position control	
LED display	Power Operative Limit switch "HOME" Switch	
Dimension	W×D×H (mm) 163*119*29	
Weight	325 ± 5%(g)	
Operating temperature / humidity	0~85°C, Below 85%RH	Prevention against condensation



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Servo, Steper Driver



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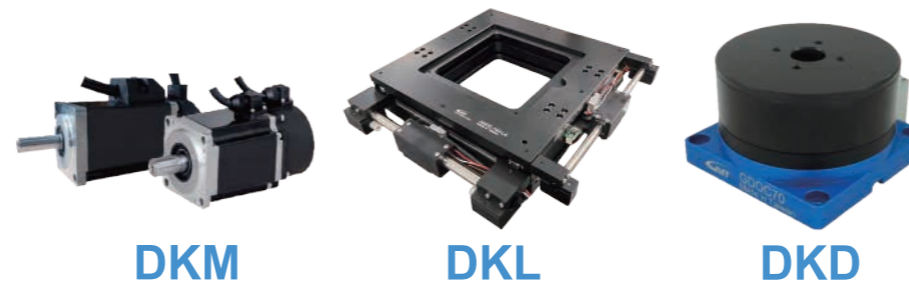
# P-SERVO EC Stepper Driver



- CoE and CiA402 Standards
- Closed-loop system
- Optical and magnetic encoder support
- Run and stop current setup

Item	Description	
Model	P-SERVO EC	
Voltage	24VDC ±10%	
Rated current of the driver	up to 3.1 Arms	
Type of motor	2-phases step motor (with encoder)	
System framework	Closed-loop control system	
Function	Rotation speed	0~3,000rpm
	Positioning resolution	200 ~ 51,200ppr (For detailed settings, refer to the corresponding object)
	Protection	Over-current, over-speed, maximum count error, over-heat, abnormal motor wiring, abnormal encoder wiring, positioning error, position value overflow protection, memory error, internal communication error
	LED display	Power status, positioning status, excitation status, warning light, execution status
Input/Output signal	Input signal	3 specified inputs (left limit, right limit & origin), 8 user-defined inputs
	Output signal	1 specified output 8 user-defined outputs
Communication interface	EtherCAT	
Support protocol	CoE (CANopen application protocol over EtherCAT)	
Support sports mode	PP, PV, CSP, CSV & HM	
Synchronized	Free Run, SM Event, DC SYNC Event (Minimum cycle time:250us)	

# K-SERVO Servo Driver

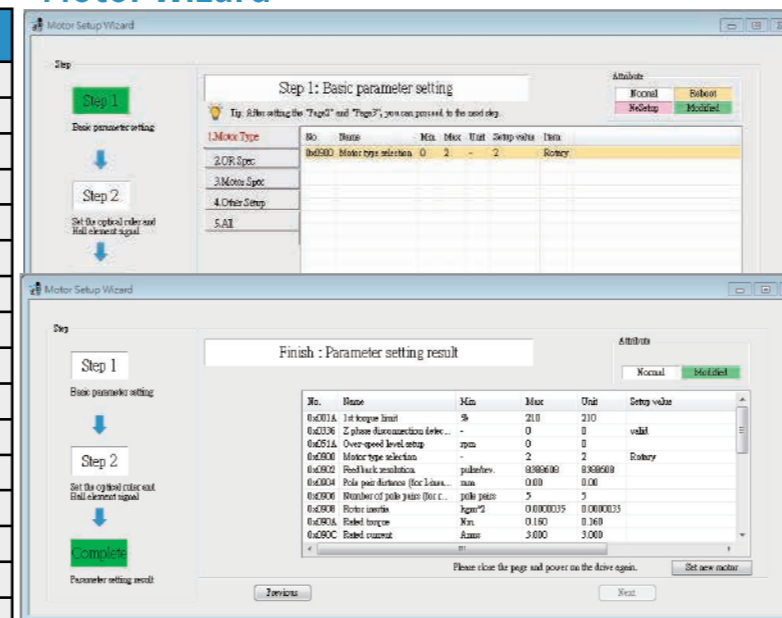


- Compact design
- Diverse control modes :
  - Pulse mode
  - Communication mode
  - PIO mode
- Absolute Precision Calibration Error Map
- 2 DOF systems
- 4 sets of low-frequency Vibration and 4 sets of notch filters

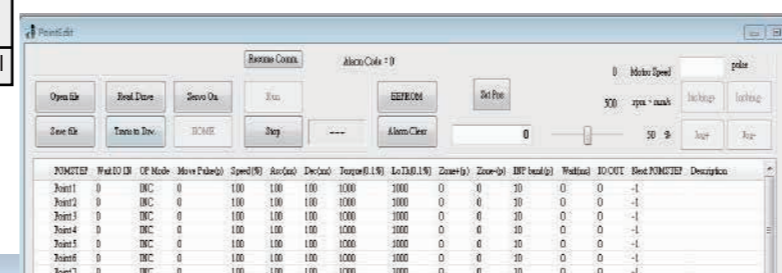
## Driver Specifications Table

Item	Description	
Power	Main loop	24~48VDC ± 15%
	Rated current	6A
	Maximum current	20A
	I/O Power voltage	24VDC ± 15%
Environment	Temperature	Operating: 0~55°C; storage: -20 ~ +80°C
	Humidity	Operating/storage: below 90%RH
	Height	Below 1000 m
	Vibration	Below 5.88m/s², 10~60Hz
Control method		MOSFET PWM sine wave driven
Encoder feedback		The RS485 half-duplex supports
Optical Linear Encoder		QEP incremental encoder
Control signal	Input	13 inputs
	Output	13 outputs
	Special output	Brake relief output
Analog signal	Input	-
	Output	Motor Phase Z open collector output
Pulse signal	Input	Open Collector, High Speed Photocoupler
	Output	Motor Phase Z open collector output
Communication Feature	USB/RS485	Parameter Adjust mini USB interface 1:16 RS485 control interface
	control mode	(1) Position control (Pulse) (2) PIO procedural control

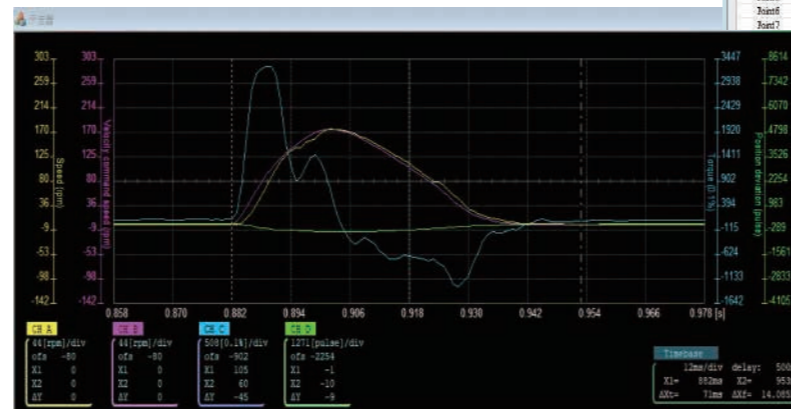
## Motor Wizard



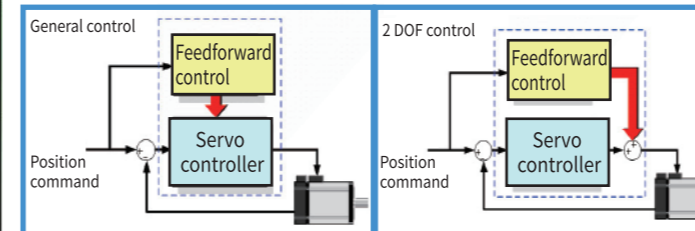
## PIOMode



## Oscilloscope Function



## 2 DOF



# KE-SERVO Servo Driver



## Features/Description:

- Standard Servomotor Driver : equipped with various operating and control modes.
- Built-in DIO Control : users can pre-plan simple sequential control.
- 16 positioning tables : through I/O, the motor executes pre-set motion control.
- Protection mechanism : built-in protection power circuit mechanism, immediately cut off the circuit if exceeded the rated current.
- 2 sets of notch filters : improve mechanical low-frequency resonance and increase the service life of the mechanism and motor.

Item	Description	
Input Power	Main circuit	Single-phase/three-phase ,190~240V 50/60Hz
	Control circuit	Single-phase,190~240V 50/60Hz
Control method	IGBT PWM sine wave driven	
Encoder feedback	250P/r(With a resolution of 10000) Lncremental encoder	
Control signal	Input	11 Input
	Output	6 Output
Analog signal	Input	3 Sets of input (12bitA/D)
	Output	4-Point input,parameters can be used to decide whether line driver input or high-speed Phtocoupler input.
Pulse signal	Input	Four outputs (line driver: 3 Output, open collector: 1 Output)
	Output	Four outputs (line driver: 3 Output, open collector: 1 Output)
Communication Feature	USB/RS485	Parameter Adjust Use the mini USB interface. 1:32 RS485 control interface.
Regeneration	Built-in 10W regeneration resistance	
Control mode	(1) Position control (2) Speed control (3) Torque control (4) Position/Speed control (5) Position/Torque control (6) Speed/Torque control	