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EL8 Series

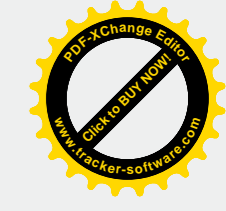
High End AC Servo System



High Performance

Powerful Functions

Safe & Reliable

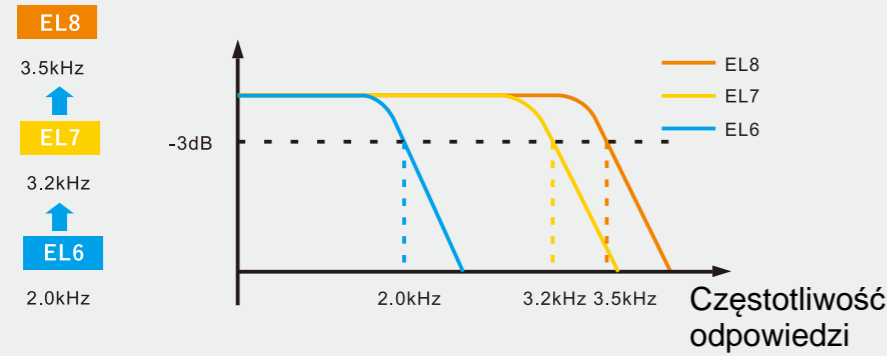


Main Advantages of EL8 Series Servo Drives

Higher system performance

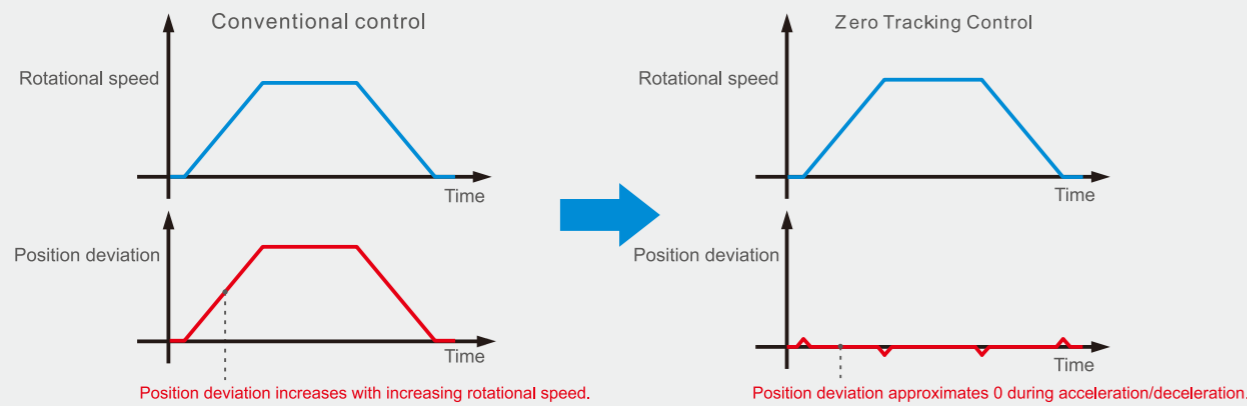
Quick Frequency Response

Frequency response of 3.5kHz, quicker system response and better precision.



Zero Tracking Control (ZTC)

Internal zero tracking control, increases system process precision, shorten tuning time.



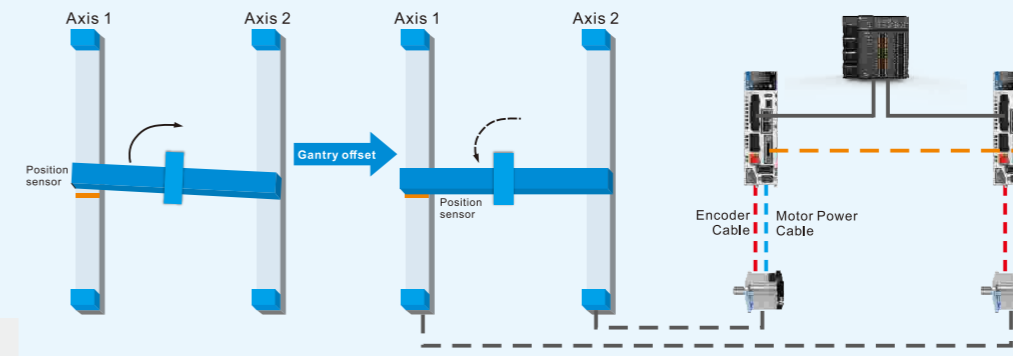
High quality servo motor

IP rating of IP67 with better performance and reliability.
Motor comes with direct connectors which is easier for installation and more reliable.

Better functionalities

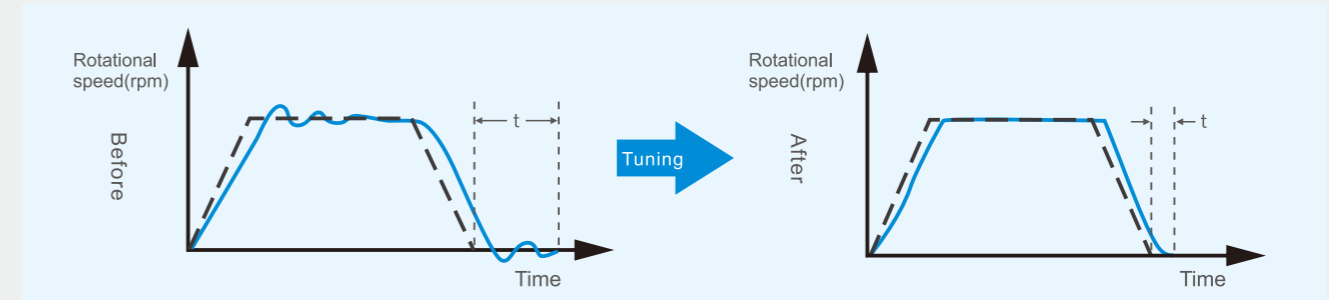
Gantry synchronization (Coming soon !)

- Gantry synchronization MIMO technique, breaking through foreign technological barrier.
- EL8 series servo drive is able to realize axis synchronization and alignment automatically without input from master device.
- When position deviation exceeds alarm threshold, alarm will occur to guarantee operational safety.

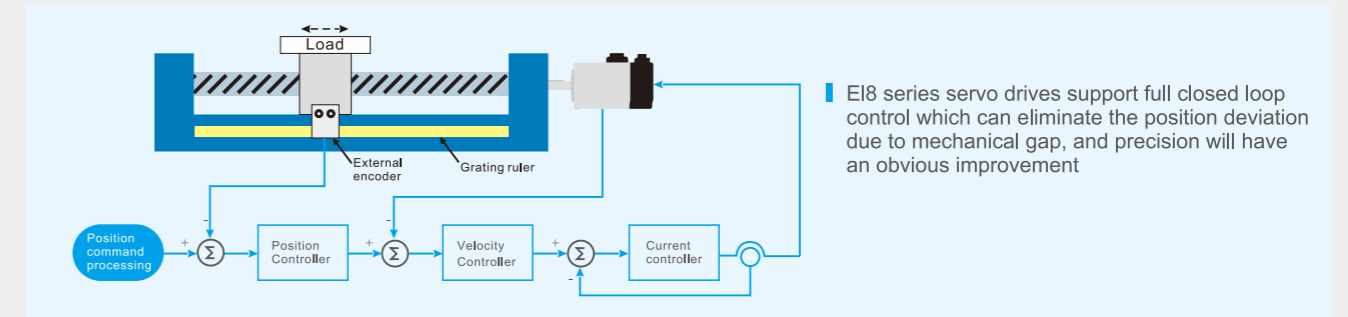


One-click tuning

Upgraded one-click tuning. Follow a few easy steps to get servo tuning done. Gain adjustments will be automatically set, shortening tuning time.

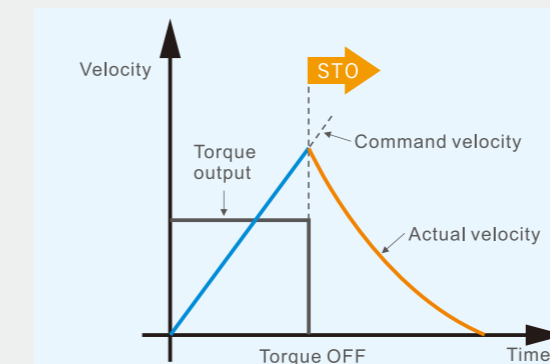


Full closed loop control



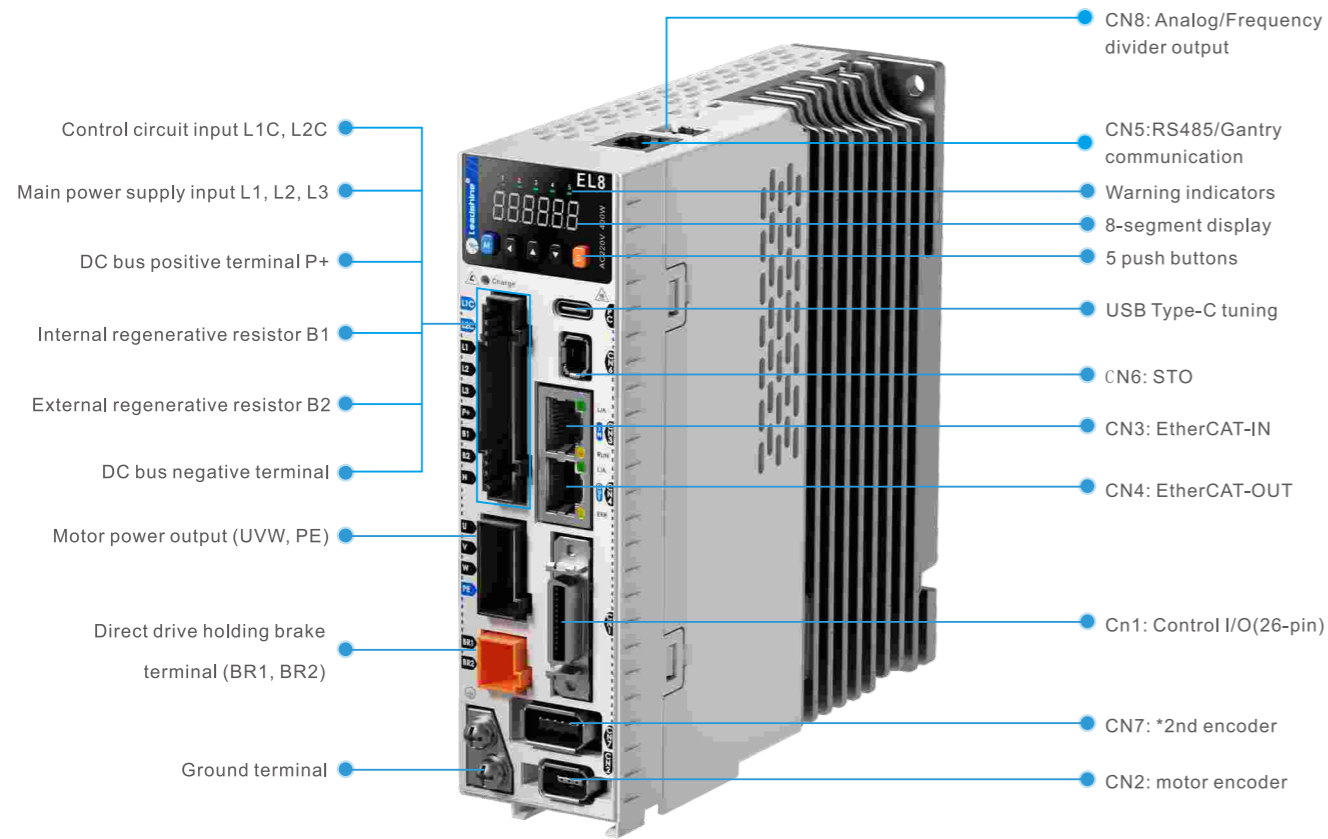
High security guarantee for safe application

Safe Torque Off (SIL3)

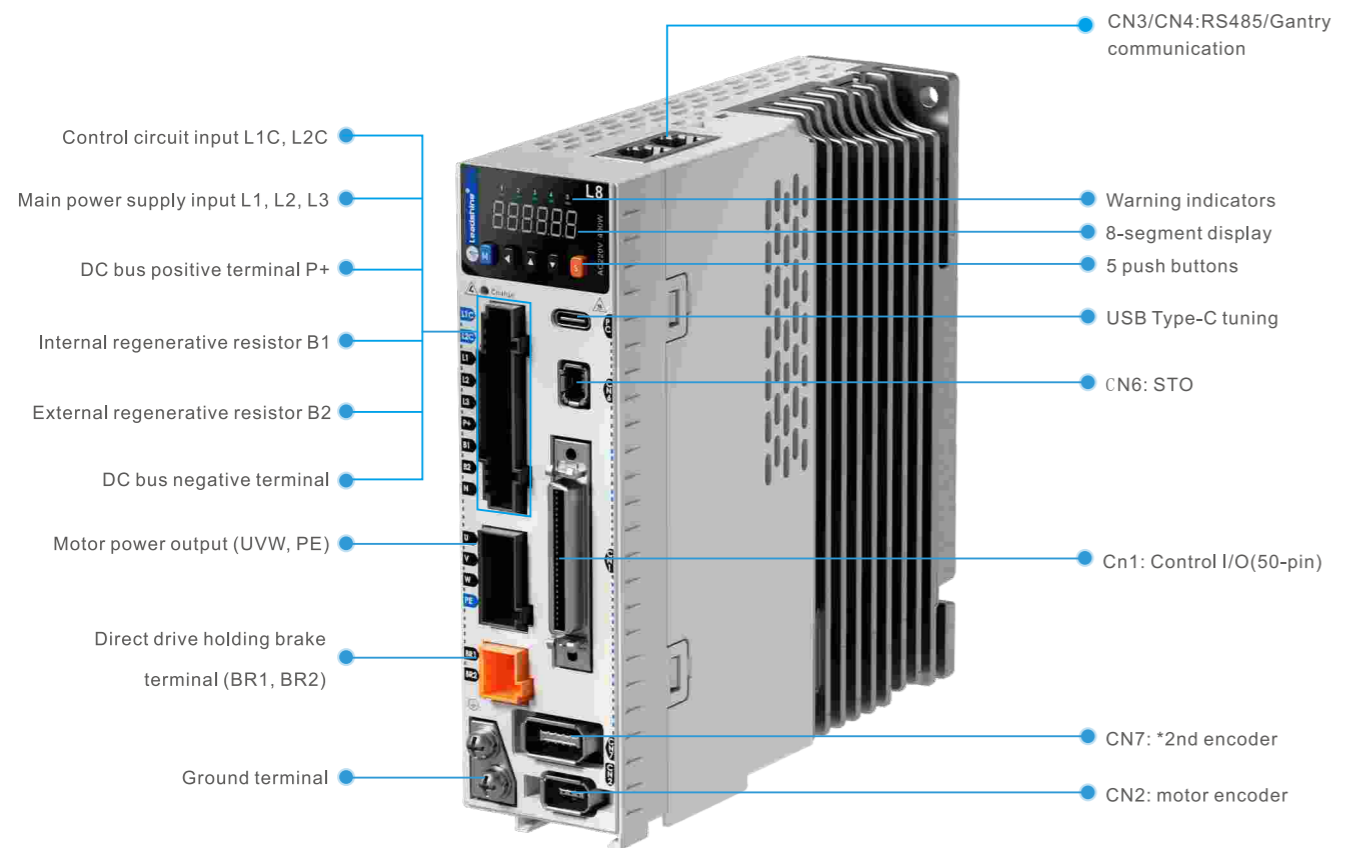


When Safe Torque Off is activated, internal circuit will cut off motor power supply immediately, guaranteeing operator and machine safety.

Servo drive ports

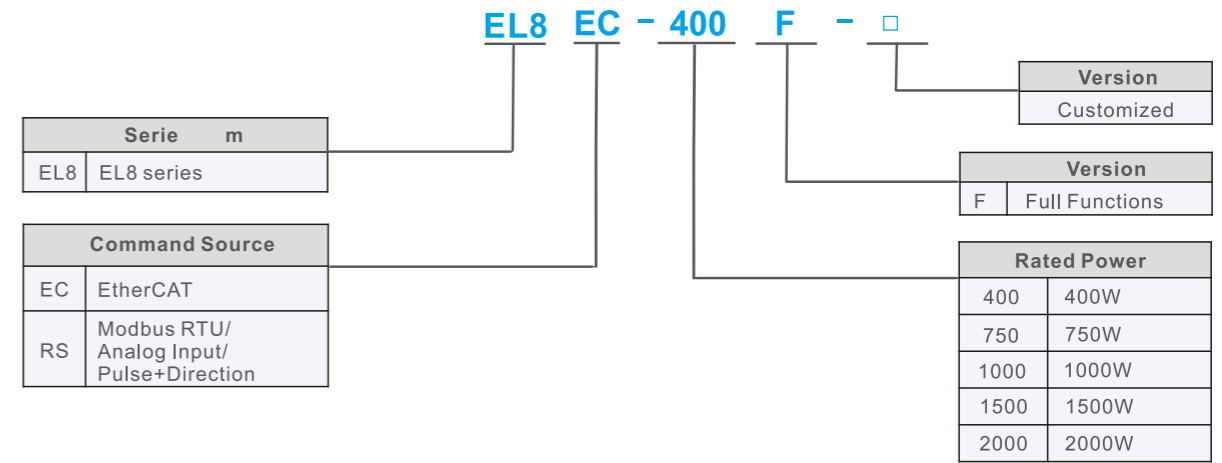


(EL8-EC)



(EL8-RS)

Part Numbers



Specifications

EL8 Series	EL8-EC400F EL8-RS400F	EL8-EC750F EL8-RS750F	EL8-EC1000F EL8-RS1000F	EL8-EC1500F EL8-RS1500F	EL8-EC2000F EL8-RS2000F
Power Rating (W)	400W	750W	1000W	1500W	2000W
Rated Current (A)	2.8	5.5	7.0	9.5	12
Peak Current (A)	9.3	16.9	21.2	31.1	36
Control Circuit Power Supply	1-Ph AC 200V–240VAC, -10% - +10%, 50/60Hz				
Main Power Supply	1-Ph/3-Ph AC 200V–240VAC, -10% - +10%, 50/60Hz				
Dimension H*L*W (mm)	150*150*43	150*160*55		80*168*183	

EL8 Series Upgraded Hardware Features

Model	EtherCAT	Modbus/ Pulse+Dir/ Analog	USB Type-C Tuning Port	Direct Drive Holding Brake	2nd Encoder	STO S/L3	Digital Input	Digital Output	Analog Input	Analog Output
EL8-EC***F	✓		✓	✓	✓	✓	8	3	2	2
EL8-RS***F		✓	✓	✓	✓	✓	10	6	3	2

EL8 Series Whole New Advanced Functions

Model	Zero Tracking Control	Full Closed Loop Control	One-Click Tuning	42-points Position Comparison	PR mode	Touch Probe Function
EL8-EC***F	✓	✓	✓	✓		✓
EL8-RS***F	✓	✓	✓	✓	✓	