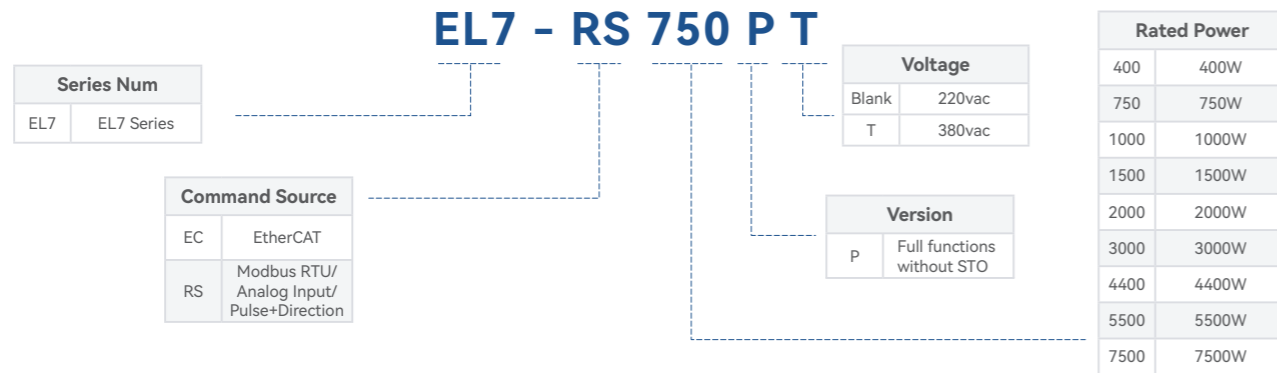


Model number structure



Specifications

1-phase / 3-phase 200-240VAC, 50/60Hz

Models	Power rating (W)	Rated current (Arms)	Peak current (Arms)	Dimensions (mm)
EL7-RS400P	400	3.5	9.5	40*175*156
EL7-RS750P	750	5.5	16.6	50*175*156
EL7-RS1000P	1000	7.0	18.7	
EL7-RS1500P	1500	9.5	31.1	80*175*179
EL7-RS2000P	2000	12	36	

3-phase 380-440VAC, 50/60Hz

Models	Power rating (W)	Rated current (Arms)	Peak current (Arms)	Dimensions (mm)
EL7-RS750PT	750	2.7	8.6	55*175*179
EL7-RS1000PT	1000	3.5	10.6	
EL7-RS1500PT	1500	5.4	14.9	
EL7-RS2000PT	2000	8.4	24.8	80*175*179
EL7-RS3000PT	3000	11.9	33.2	
EL7-RS4400PT	4400	16.5	38.9	90*250*230
EL7-RS5500PT	5500	20.8	51.6	
EL7-RS7500PT	7500	25.7	63.6	



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EL7-RS Series

General Purpose AC Servo System

Product Introduction

EL7 – RS Series

EL7-RS Series AC Servo Product is a whole new midrange AC servo drivers and motors product range that we have proudly developed at Leadshine Technology Co.,Ltd. This product series provides more in demanded functionalities and control. While designing this AC servo drive series with cost concerns in mind, this product series doesn't compromise in term of performance and functions.

EL7-RS Series AC Servo Drive comes with power rating from 400W up to 7500W which supports Modbus communication protocol in addition to analogue and pulse + direction input control. Using RS485 protocol, multi axis network of EL7-RS series servo drive can be realized and controlled from 1 single master device.



Applications



CNC router



Fiber laser



Electronics

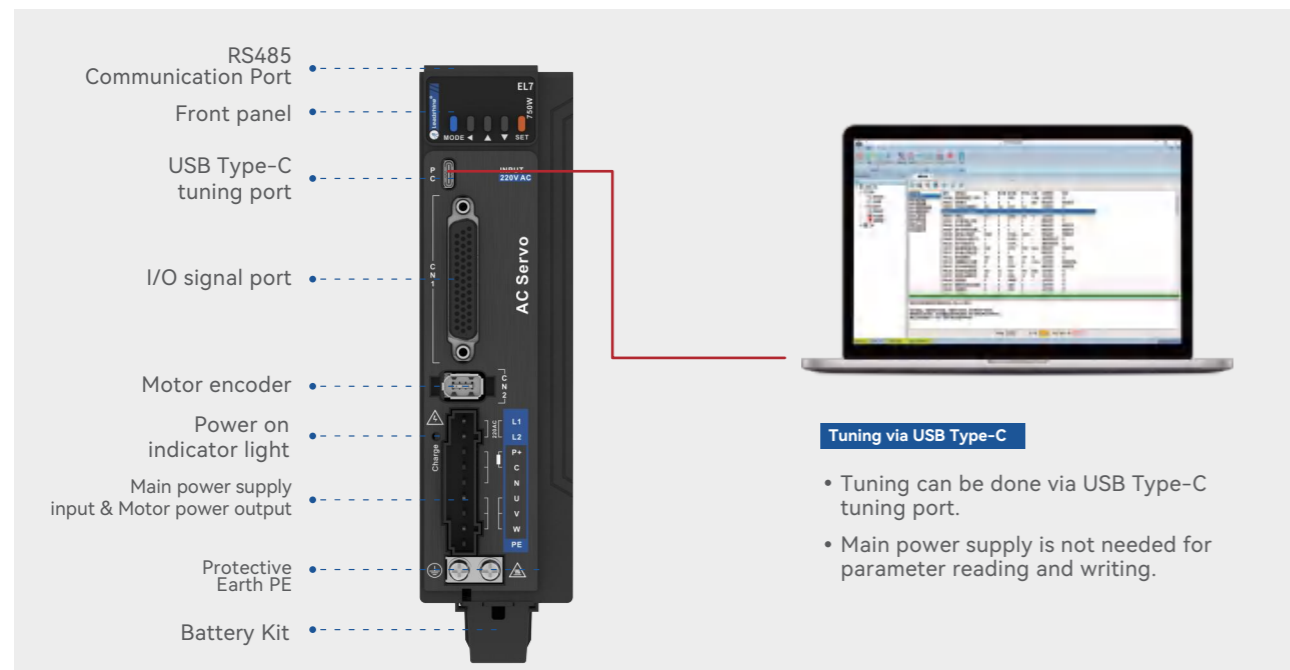


Semiconductor



Renewable energy

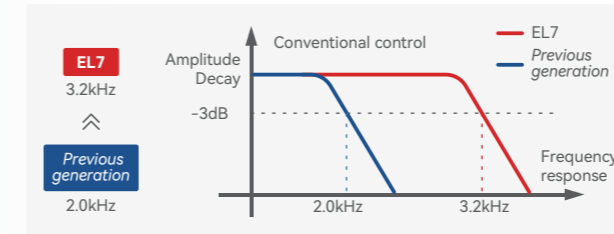
Ports & Connectors



Servo drive features

Drive performances

- Frequency response (kHz)
 - Quicker system response of 3.2kHz for higher precision control.



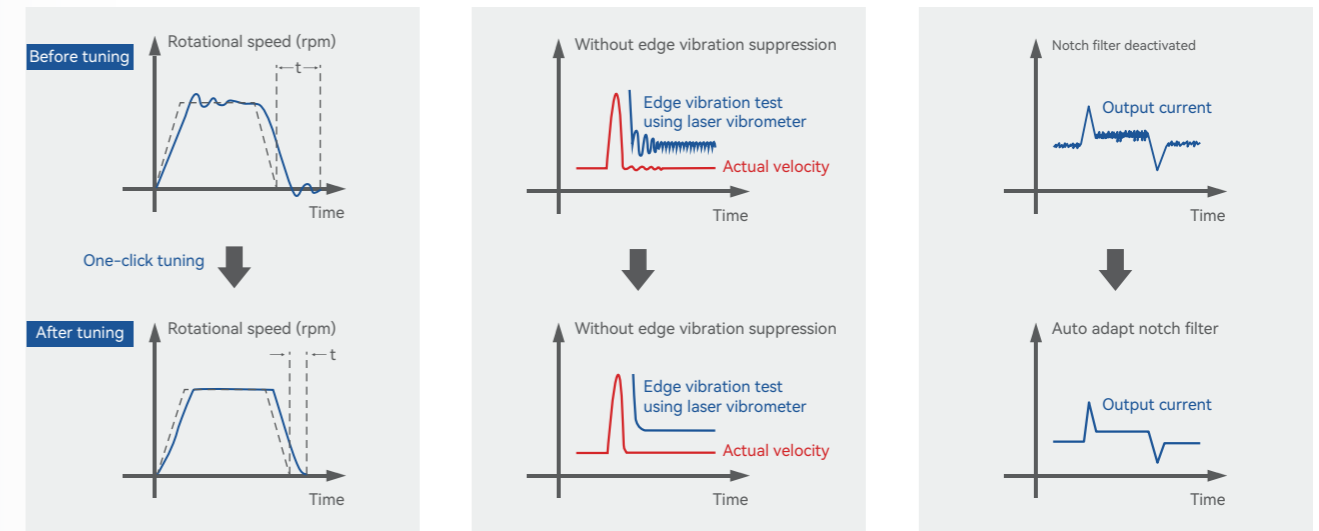
Matching Motors

- Servo motor
 - Better reliability with IP ratings of IP67 in addition to higher max. speed/torque and overload rate up to 350%



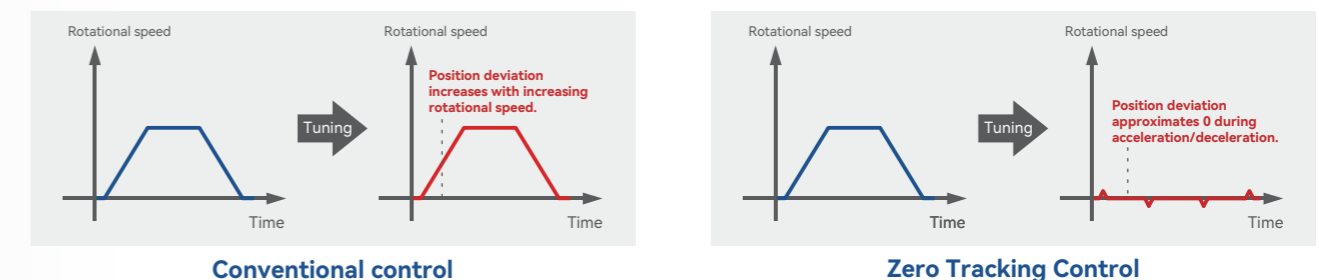
Advanced servo computing

- One-Click Tuning – Follow a few easy steps to get servo tuning done. Gain adjustments will be automatically set, shortening tuning time.
- End vibration suppression for flexible structure – suppress low frequency vibration under 200Hz for a quicker and more precise position settling.
- Adaptive notch filters – 3 sets of notch filters up to 4kHz for better suppression of structural vibration.

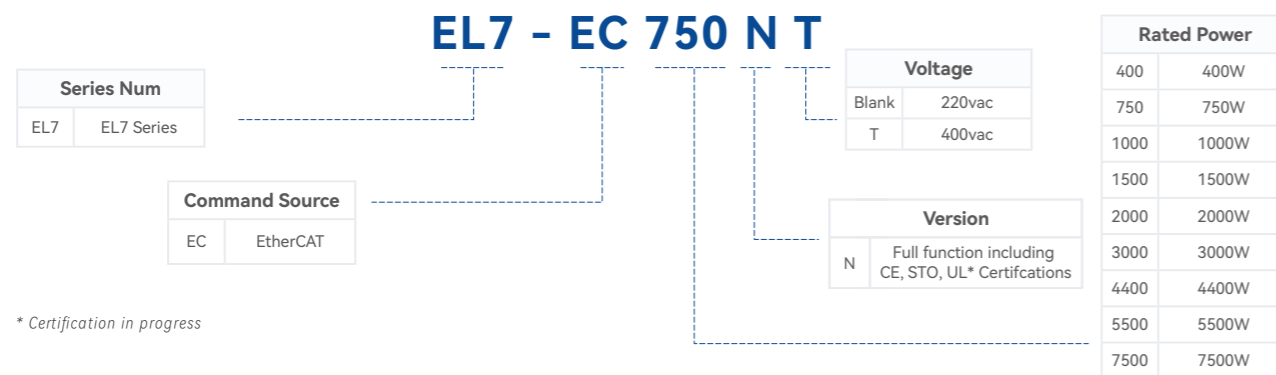


Functionalities

- Zero tracking control
 - Able to realize a zero position deviation during acceleration/deceleration by improving multi-axis precision and following.



Model number structure



Specifications

1-phase / 3-phase 200-240VAC, 50/60Hz

Models	Power rating (W)	Rated current (Arms)	Peak current (Arms)	Dimensions (mm)
EL7-EC400N	400	3.5	9.5	40*175*179
EL7-EC750N	750	5.5	16.6	50*175*179
EL7-EC1000N	1000	7.0	18.7	
EL7-EC1500N	1500	9.5	31.1	80*175*179
EL7-EC2000N	2000	12	36	

3-phase 380-440VAC, 50/60Hz

Models	Power rating (W)	Rated current (Arms)	Peak current (Arms)	Dimensions (mm)
EL7-EC750NT	750	2.7	8.6	55*175*179
EL7-EC1000NT	1000	3.5	10.6	
EL7-EC1500NT	1500	5.4	14.9	80*175*179
EL7-EC2000NT	2000	8.4	24.8	
EL7-EC3000NT	3000	11.9	33.2	90*250*230
EL7-EC4400NT	4400	16.5	38.9	
EL7-EC5500NT	5500	20.8	51.6	
EL7-EC7500NT	7500	25.7	63.6	



EtherCAT®

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D231123

EL7-EC Series

General Purpose EtherCAT AC Servo Drives

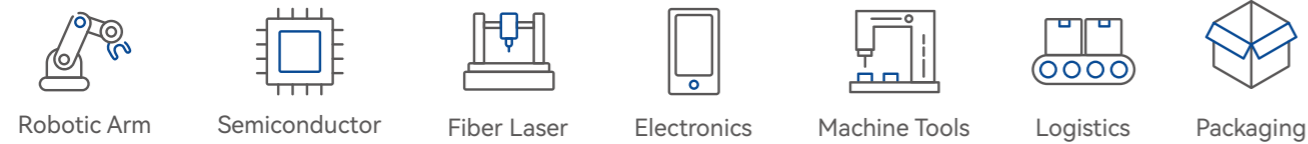
Product Introduction

EL7 – EC Series

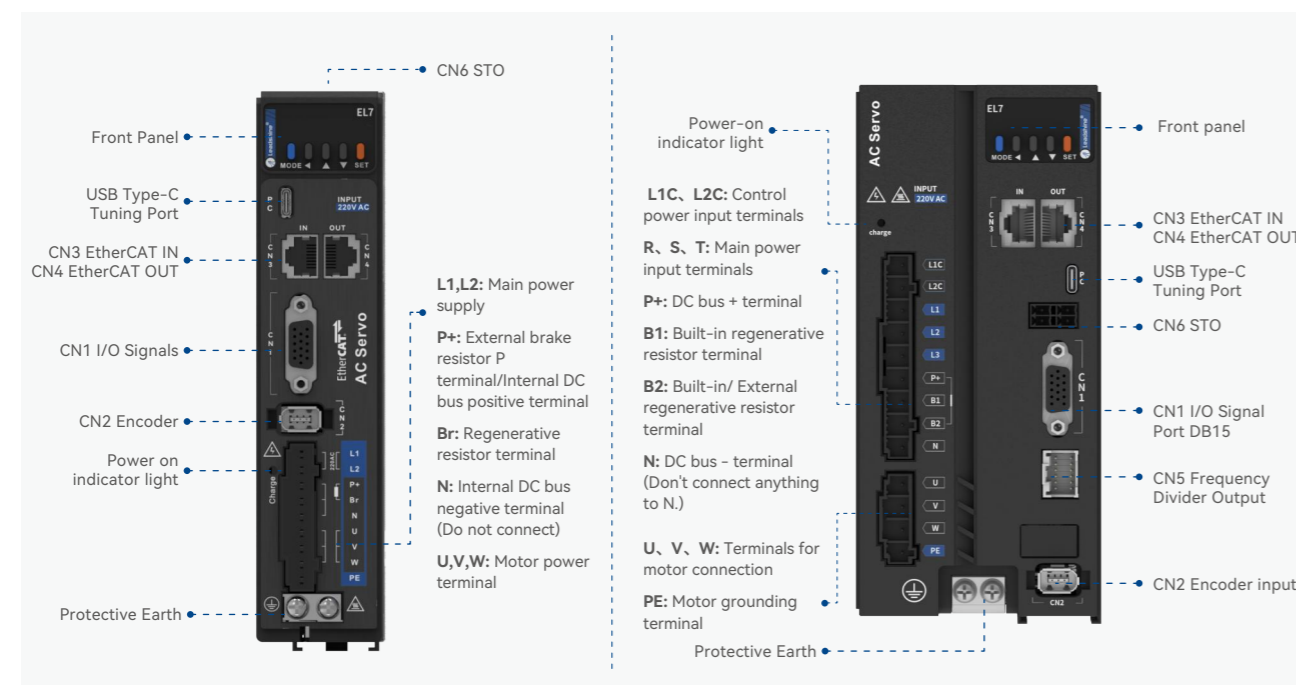
EL7-EC Series AC servo products are high performance AC digital servo which is designed for position/velocity/torque high accurate control with power rating ranging up to 2kW for 220VAC models and 7.5kW for 400VAC models which provides a perfect solution for different applications with easy tuning process.



Applications



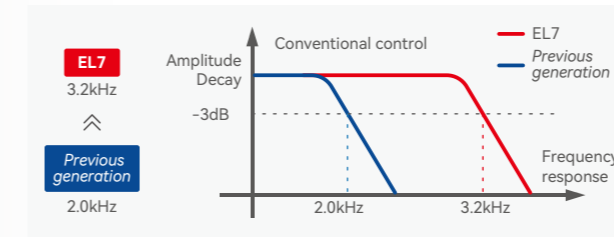
Ports & Connectors



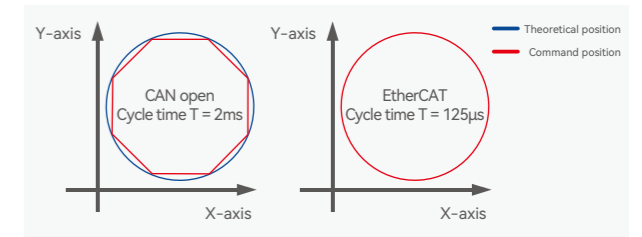
Servo drive features

Drive performances

- Frequency response (kHz)
Quicker system response of 3.2kHz for higher precision control.

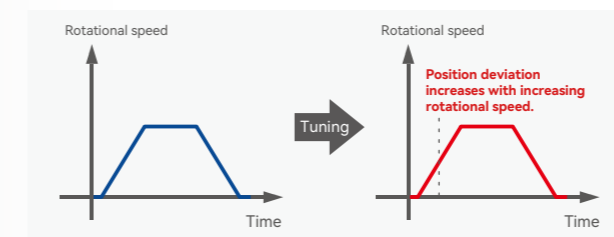


- Communication cycles
Communication cycle time as short as 125µs for better position control

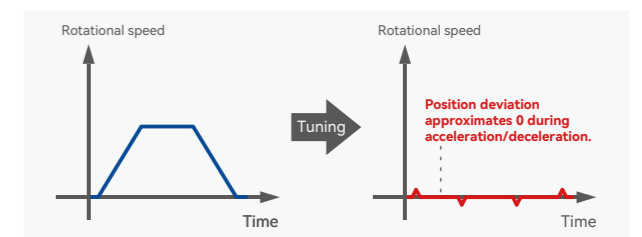


Functionalities

- Zero tracking control
Able to realize a zero position deviation during acceleration/deceleration by improving multi-axis precision and following.



Conventional control

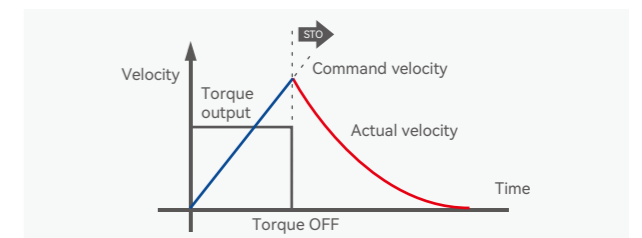


Zero Tracking Control

- Servo motor
Better reliability with IP ratings of IP67 in addition to higher max. speed/torque and overload rate up to 350%

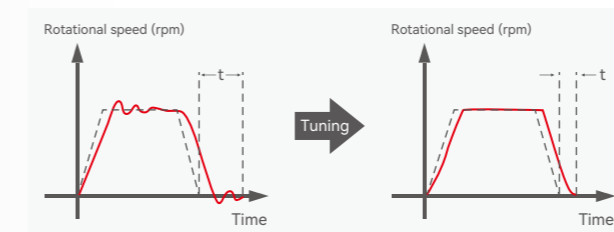


- Safe Torque Off (STO) SIL3
Ensures that no torque-generating energy can act upon a motor at emergency stop and prevents unintentional starting.



Tuning

- Easy tuning
Follow a few simple steps to get servo tuning done. Tested and proven to be easy to use and effective.



- Multiple axes tuning
EtherCAT drives can be tuned at the same time if linked in the same network through EtherCAT ports.

