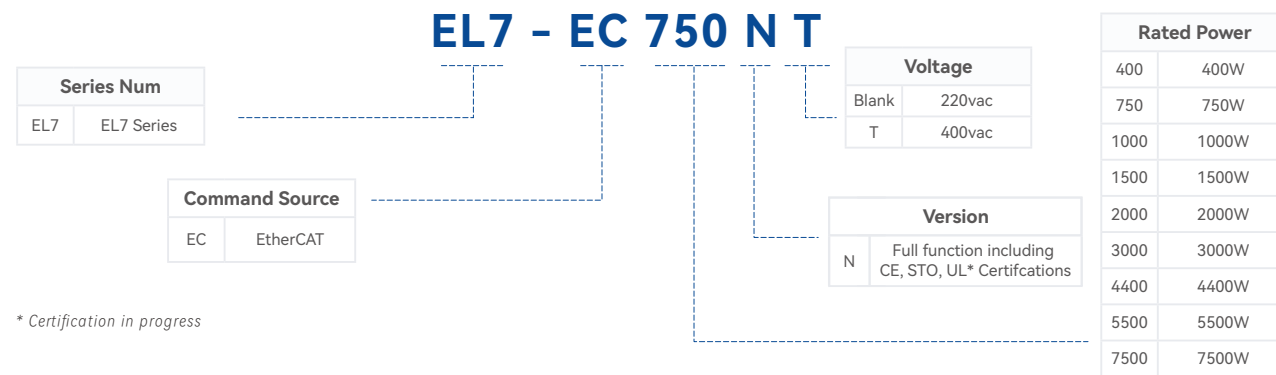


## Model number structure



## 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	



### Headquarters China Leadshine Technology Co., Ltd

☎ +86 755 26411692    📠 +86 755 26402718  
 🌐 www.leadshine.com  
 ✉ sales@leadshine.com (Sales)  
 tech@leadshine.com (Technical Support)  
 📍 15-20/F, Block B, Nanshan i-Valley, Shuguang Community, Xili Town, Nanshan District, Shenzhen 518055, China

### North America Office Leadshine America, Inc.

☎ 1-949-608-7270    📠 1-949-638-7298  
 🌐 www.leadshineusa.com  
 ✉ sales@leadshineusa.com (Sales)  
 support@leadshineusa.com (Technical Support)  
 📍 26050 Towne Centre Dr. Foothill Ranch, CA 92610 USA

# EL7-EC Series

## General Purpose EtherCAT AC Servo Drives

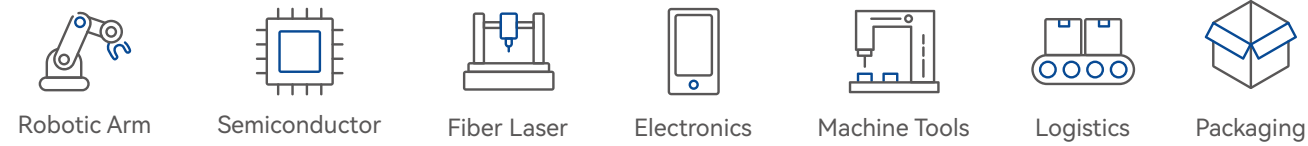
# Product Introduction

## EL7 – EC Series

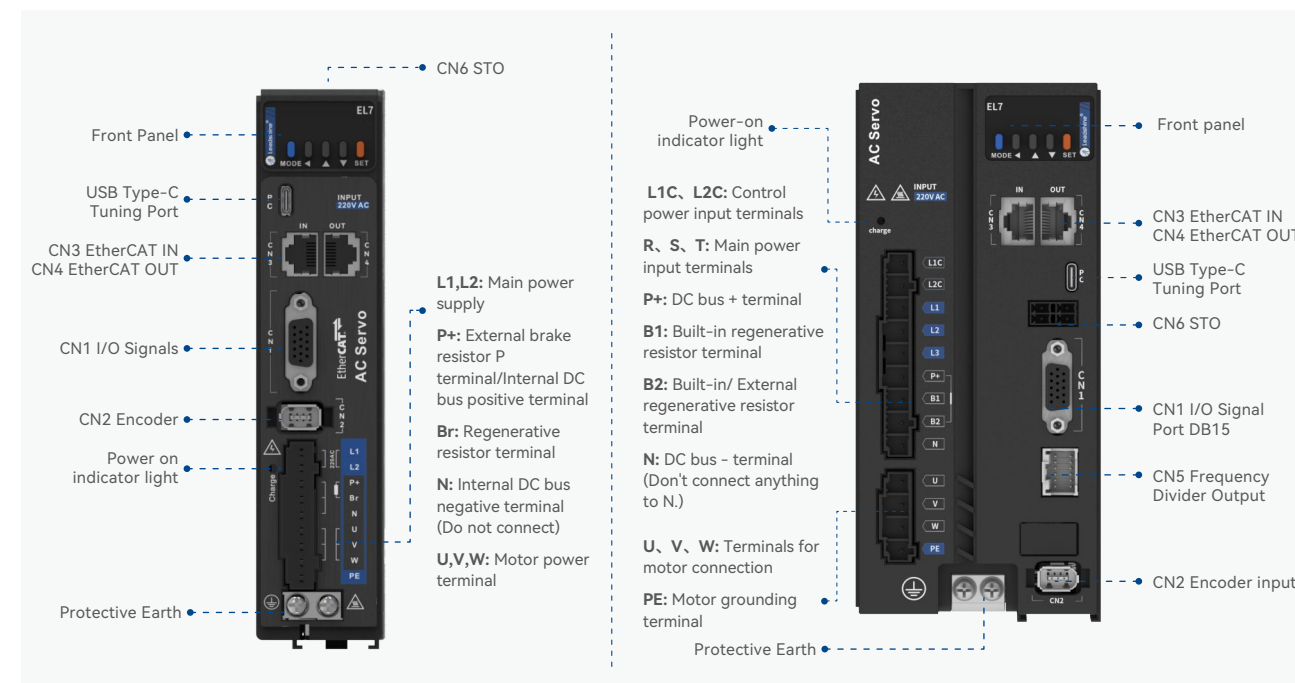
EL7-EC Series AC servo products are high performance AC digital servo which is designed for position/velocity/torque high accurate control with power rating ranging up to 2kW for 220VAC models and 7.5kW for 400VAC models which provides a perfect solution for different applications with easy tuning process.



## Applications



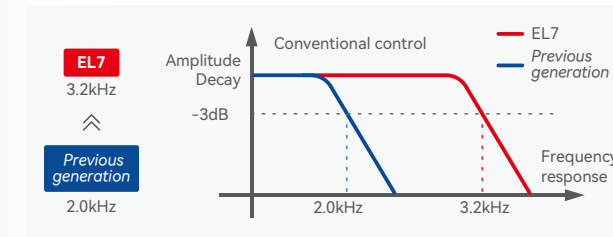
## Ports & Connectors



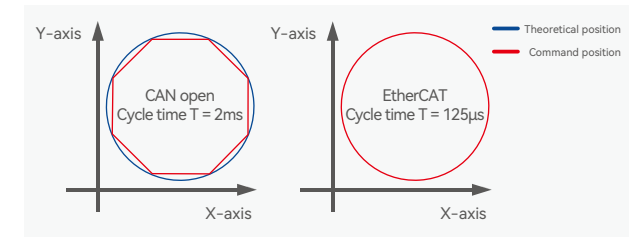
# Servo drive features

## Drive performances

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

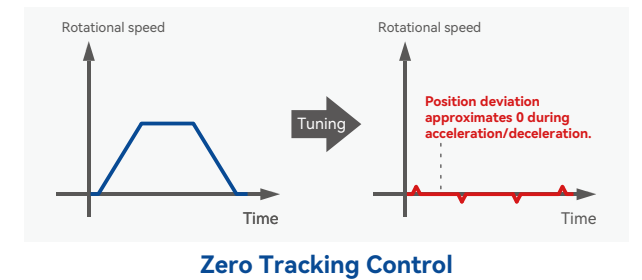
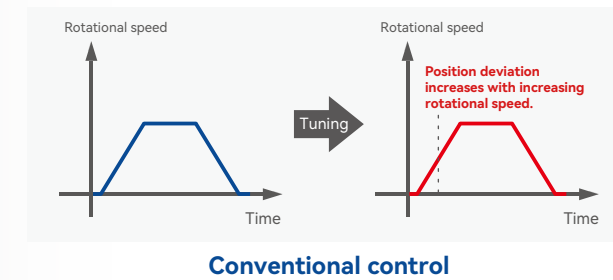


- Communication cycles  
Communication cycle time as short as 125µs for better position control



## Functionalities

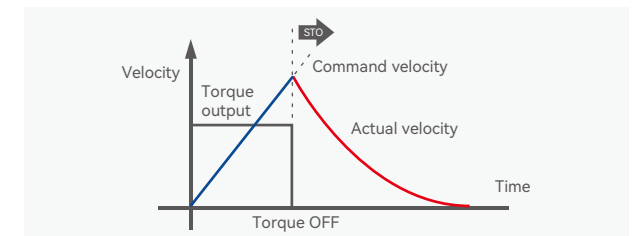
- Zero tracking control  
Able to realize a zero position deviation during acceleration/deceleration by improving multi-axis precision and following.



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

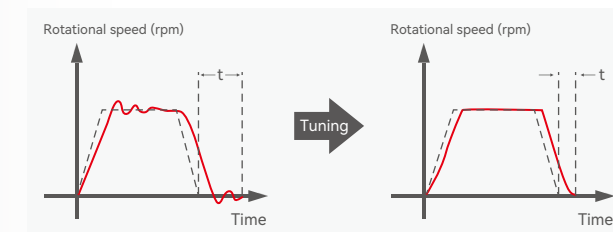


- Safe Torque Off (STO) SIL3  
Ensures that no torque-generating energy can act upon a motor at emergency stop and prevents unintentional starting.



## 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.

