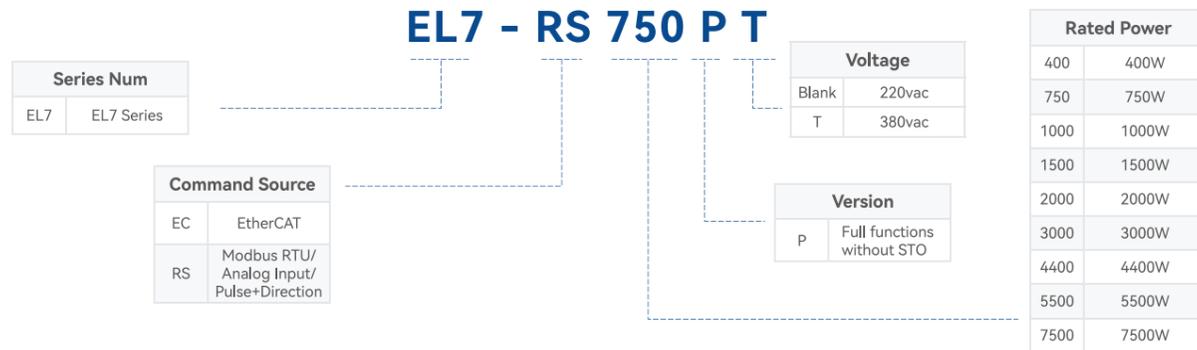


## Model number structure



## 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	
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	11.9	
EL7-RS4400PT	4400	16.5	16.5	90*250*230
EL7-RS5500PT	5500	20.8	20.8	
EL7-RS7500PT	7500	25.7	25.7	



Stock Code: 002979



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D230531

# 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

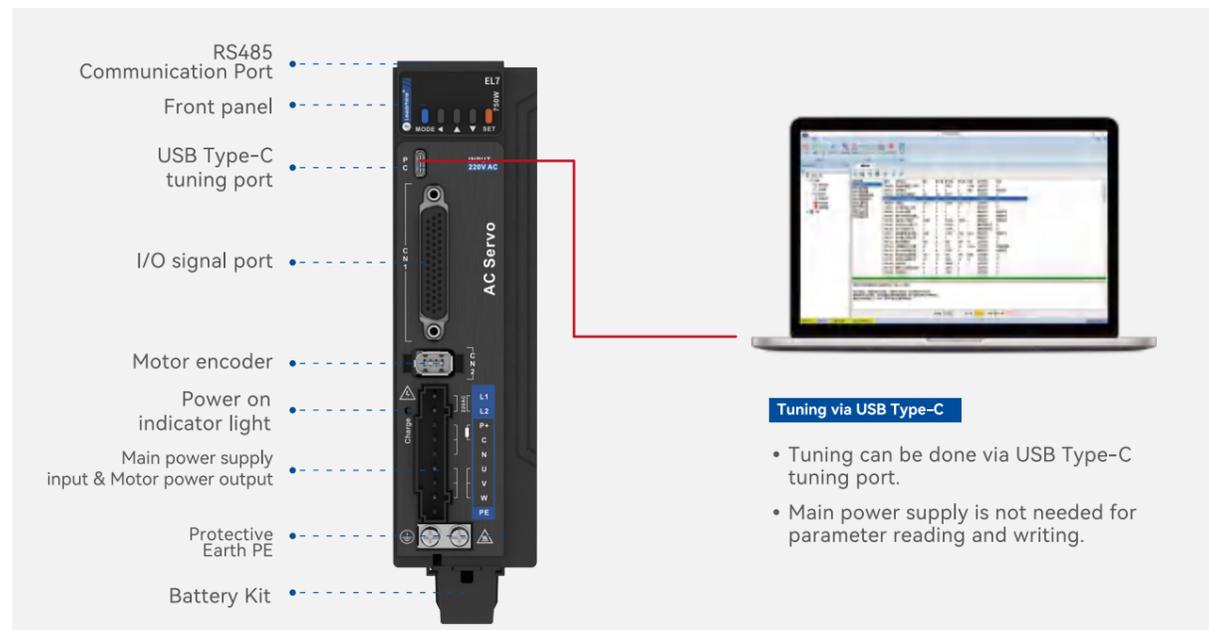


Semiconductor



Renewable energy

## Ports & Connectors



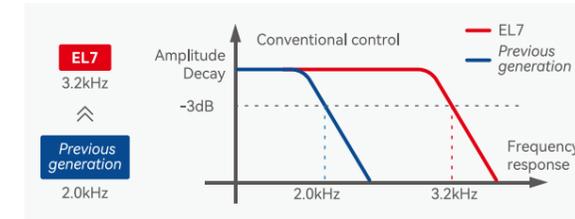
**Tuning via USB Type-C**

- Tuning can be done via USB Type-C tuning port.
- Main power supply is not needed for parameter reading and writing.

# Servo drive features

## Drive performances

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



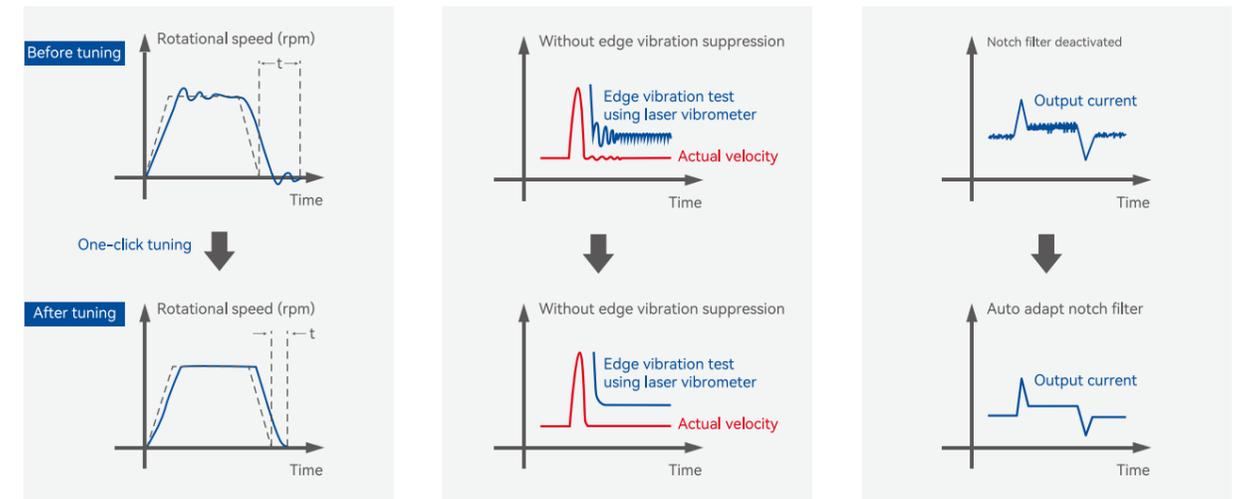
## Matching Motors

- 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.

