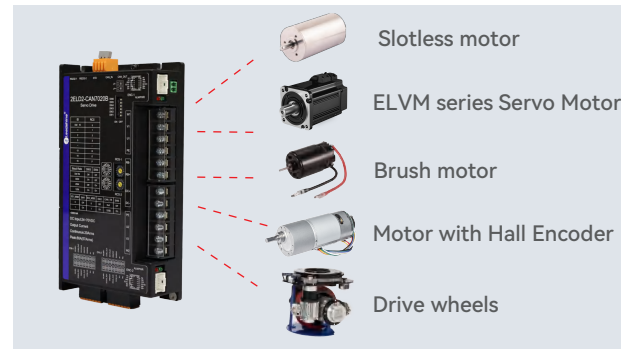


## Servo Motor

- Better reliability with IP ratings of IP65 in addition to higher max. speed/torque and overload rate up to 300%.



- Can be matched to many types of motors  
Slotless Motor, ELVM Series DC Servo Motor, Brush Motor, Motor with Hall Encoder, Drive wheels



## Ports & Connectors

Drive	Current (Arms)		Rated power (W)	Main power supply	Dimension (mm)
	Rated	Peak			
ELD2-RS7005	5	11	100	24-70VDC	25.5*79.5*118
ELD2-CAN7005B	5	15			25.5*79.5*140
ELD2-RS7010	10	24	400		25.5*79.5*118
ELD2-CAN7010B	10	30			25.5*79.5*140
ELD2-**7015B	15	32	600		175*101.5*33
ELD2-**7020B	20	57	750		
ELD2-**7030B	30	64	1000		194*103*41
ELD2-**7040B	40	84	1500		
ELD2-**7060B	60	127	2000		194*103*41
2ELD2-**7020B	20	57	750*2		
2ELD2-**7030B	30	64	1000*2		

\*\* : RS or CAN

## Comparisons between different series

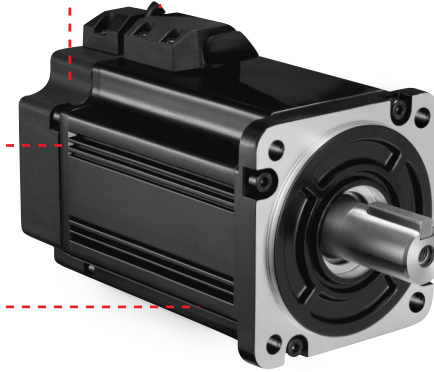
	CANopen	Modbus RTU	Pulse+Direction	Analogue	STO SIL3	Logic power supply	Brake power supply
ELD2-RS		•	•	•	7040B/7060B	7040B/7060B	•
ELD2-CAN	•						•
2ELD2-RS		•	•		•	•	•
2ELD2-CAN	•			•	•	•	•

No Brake power supply in ELD2-RS7005/ELD2-RS7010

## ELVM Series DC Servo Motor

### Ports & Connectors

- **Size**  
Smaller and shorter motor to save installation space.
- **Encoder**  
- 17-bit magnetic absolute encoder with better impact resistance.  
- 2500 ppr incremental encoder.
- **IP ratings**  
IP65 rated including the connectors.
- **Reliability**  
Torque overload up to 300% and more stable operating at higher temperature.



- **Rated Torque: up to 6.4Nm (Max 16Nm)**
- **Rated current: up to 48.5A (Max 121.3A)**
- **Power rating: 50-2000W**
- **Flange size: 40/60/80/130mm**

### Specifications

Motor	Flange size (mm)	Voltage (V)	Rated Power (W)	Current (Arms)		Torque(Nm)		Rotational speed (rpm)		Length (mm)	
				Rated	Peak	Rated	Peak	Rated	Peak		
ELVM4005V48***	40	24-48	50	3	9.3	0.16	0.48	3000	4000	56.7	
ELVM4010V48***		24-48	100	5.7	17.7	0.32	0.96			67.7	
ELVM6020V24***	60	24	200	10	31	0.64	1.92	3000	4000	71.6	
ELVM6020V48***		48		6	19.6					71.6	
ELVM6040V24***		24	400	19.9	61.7	1.27	3.81			88.6	
ELVM6040V48***		48		10	31	1.27	3.81			88.6	
ELVM6060V48***	80	48	600	15	45	1.91	5.73	3000	3500	108.6	
ELVM8075V48***		48		750	19	59	2.39			7.17	90.9
ELVM80100V48***		48	1000	28	84	3.2	9.6			103.9	
ELVM130120V48***	130	48	1200	30	79	3.8	10	3000	4000	151	
ELVM130150V48***		48		1500	37.5	98	4.8			12.5	157
ELVM130200V48***		48		2000	48.5	121.3	6.4			16	164



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D230717

**ELD2 & 2ELD2 Series DC Servo Drive**  
**ELVM Series DC Servo Motor**

## Introduction

### ELD2 Series DC Servo Drive

Our ELD2 Series DC servo drive is a compact drive which has been developed to meet a more demanding global market with better functionalities, reliability and cost efficiency. Our ELD2-CAN is our latest generation of CANopen DC servo drive based on CANopen DSP402 protocol. Our ELD2-RS supports Modbus RTU communication protocol in addition to analogue and pulse input control.



### 2ELD2 Series DC Servo Drive

2ELD2 Series DC servo drive is our dual-axis DC servo drive which doesn't compromise on functionalities and quality. This series is aimed at helping our customer to reduce machine cost and also application in which installation space is more demanding. 2ELD2 series supports Modbus RTU, CANopen protocol and pulse+direction, analogue input control.

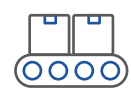


### ELVM Series DC Servo Motor

Our ELVM Series DC Servo Motor is now upgraded to better overloading capability up to 300% and IP ratings of IP65 for application in harsher environment. ELVM series DC servo motor rated current covers from 3A to 48.5A (peak 121.3A) with flange sizes of 40, 60, 80, 130mm. This series comes with 2500ppr incremental encoder and 17-bit absolute multturn magnetic encoder.



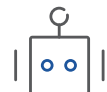
## Applications



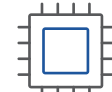
AGV & Logistics



Printing



Robots



Semiconductor



Medical



## Model number structure

### ELD2 - RS 70 30 B

Series No.	Communication Protocol	Rated Voltage	Rated Current	Motor Brake Output
ELD2	DC Servo Drive Series RS Pulse train + Modbus RTU	70 24-70VDC	05 5Arms 30 30Arms	B With Brake
2ELD2	Dual-axis DC Servo Drive Series CAN CANopen + Analogue		10 10Arms 40 40Arms	Blank Without Brake
			15 15Arms 60 60Arms	
			20 20Arms	

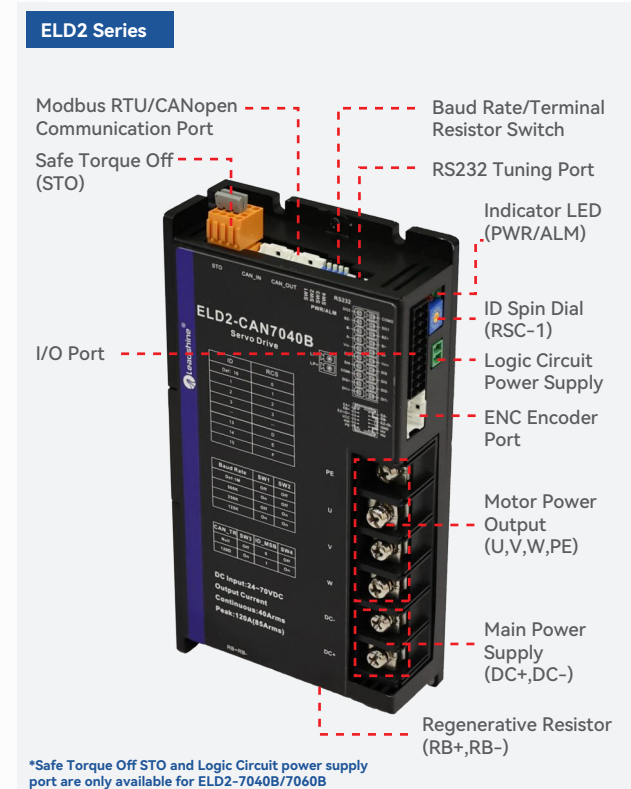
### ELVM 60 20 V48 E - H - M17 - HD

Motor Series	Power Ratings	Input Voltage	Brake	Motor Encoder	Connector
ELVM ELVM Series DC Servo Motor	05 50W 75 750W	V24 24VDC	E With Brake	B25 2500 ppr incremental	HD SP 21 connector
Motor Flange Size	10 100W 100 1000W	V36 36VDC	F No Brake	M17 17-bit optical absolute	
40 40mm	20 200W 120 1200W	V48 48VDC		E23 23-bit optical absolute	
60 60mm	40 400W 150 1500W	V60 60VDC			
80 80mm	60 600W 200 2000W				
130 130mm					

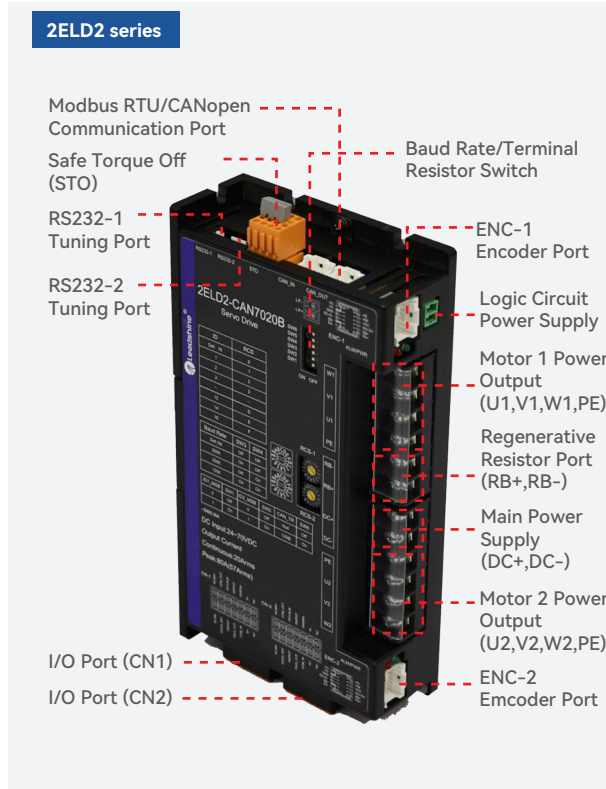
  

Inertia	
L	Low
M	Medium
H	High

## Ports & Connectors



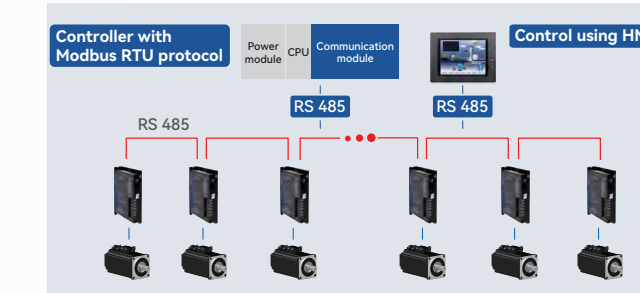
\*Safe Torque Off STO and Logic Circuit power supply port are only available for ELD2-7040B/7060B



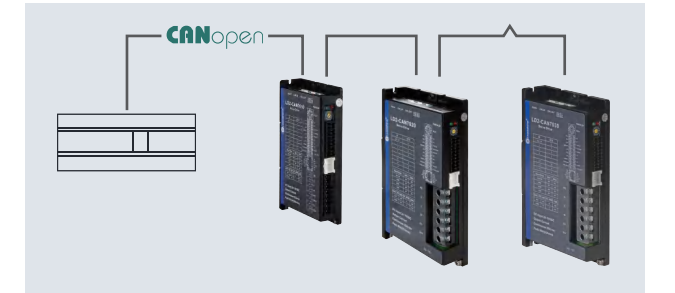
## Servo Drives & Motors Features

### Easier networking between devices

- Modbus RTU communication protocol with RS485 networking communication.

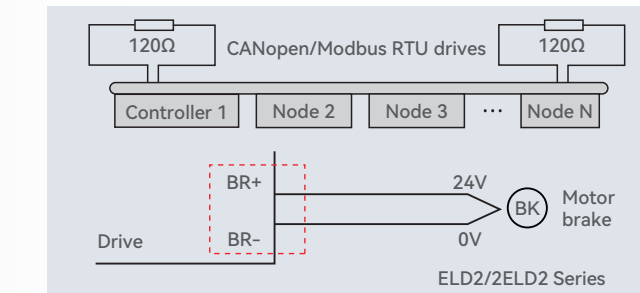


- CANopen communication protocol with PDO settings for easier drive setup and 402 observer for drive data monitoring and tuning.

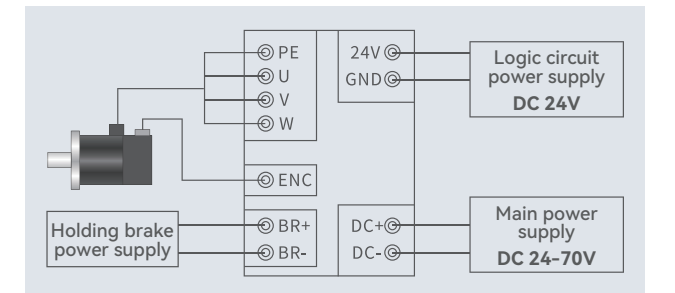


### Better functions for user convenience

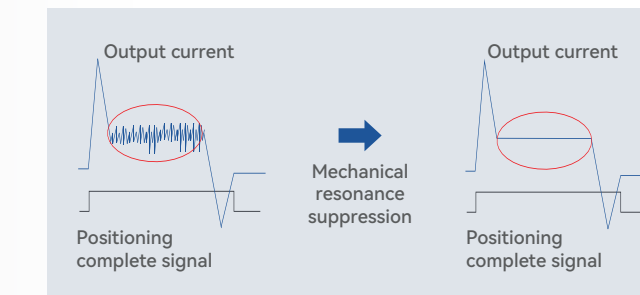
- Integrated terminal switch and holding brake power supply make installation much easier



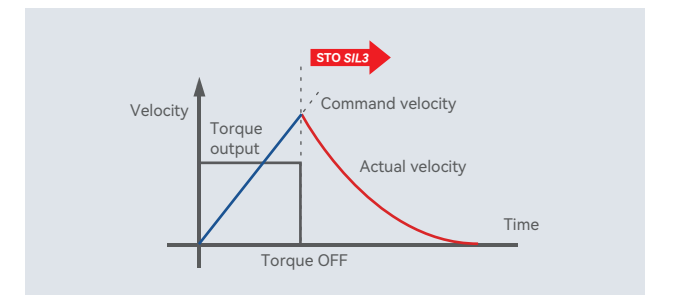
- Logic circuit power supply for safer operation. When main power supply is cut off, logic power supply can maintain partial function of DSP and the power supply to activate motor holding brake.



- Adaptive notch filter for better vibration suppression during operation.



- Ensures that no torque-generating energy can act upon a motor at emergency stop and prevents unintentional starting.



- Dual-axis 2ELD2 series DC servo drive saves installation space up to 48% and reduces wiring work up to 20%.

