

Accessories Information

Name	Description	Necessary
Tuning Cable	CABLE-PC-1 Cable	No
Network Cable	Optional Length: 0.1m, 0.2m, 0.3m, 0.4m, 1m, 1.5m, 2m, 3m,5m,7m, 10m,15m, 20m	Yes

Typical Application



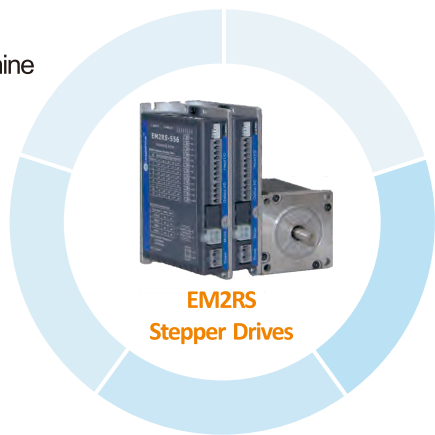
Automatic Lamination Machine



Solar Production Line



Logistics Machine



EM2RS Stepper Drives



Automatic Production Line



Stage Entertainment Equipment



Inspection Conveyor

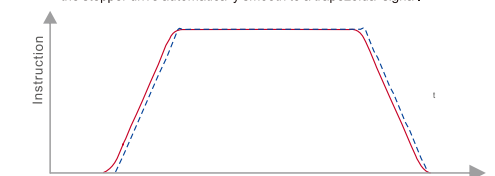
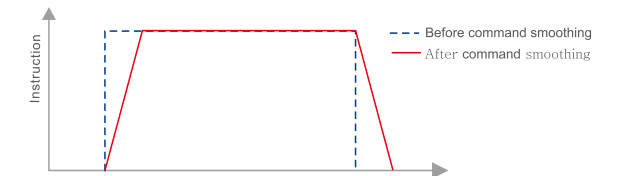


EM2RS Stepper Drives



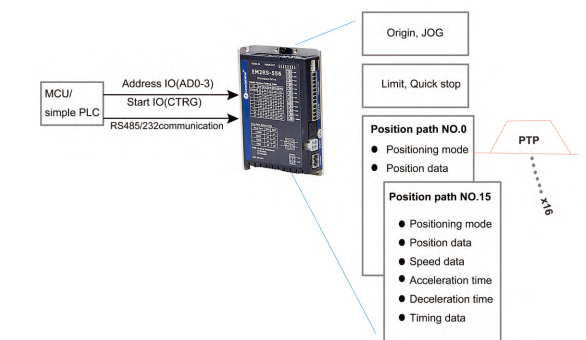
- Standard Isolated RS485 Modbus
- Smooth motion & Anti-resonance
- Built-in Uni-axial Control Instruction
- HMI, PLC or External I/O start motion

1. Instruction smoothing



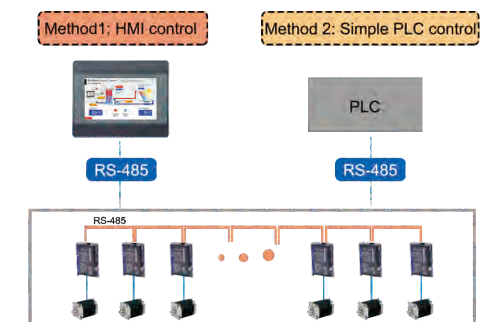
2. Built-in uni-axial control instruction

Programmable 16-segment position table, support positioning/homing/ limit/ quick stop/ JOG...



3. Support RS485 communication

Standard Modbus RTU protocol, RS485 communication can network up to 31 axes



Features

- 7 Programmable Inputs
 - Limit + / - or Origin inputs
 - Quick stop, Alarm reset and Enable inputs
 - JOG + / - or Position Table inputs
- 3 Programmable Outputs
 - Alarm, Brake outputs
 - Homing / Instruction / Path complete
- Modes of Operation
 - Velocity
 - Position
 - Homing
- Support Functions
 - Teaching
 - Interrupt
 - Skip, Suspend, Circulate motion
- PC Software for Easy Setup, Fine Tune
- Matching Motors:
 - NEMA8, 11,17, 23, 24, 34
 - Standard, dual shaft, brake, waterproof

Benefits

- Significantly reduce system costs
 - Built-in control instruction-- save PLC/controller
 - RS485 communication-- save Pulse Modules
- Simple network, easy to use
 - Lower labor cost
 - Effectively reduced development time
- Higher added value
 - On-line monitoring of status to enhance reliability
 - Bring more expansion possibilities to add value

Leadshine Technology Co., Ltd.

Website: www.leadshine.com

Service:

Tel: 86-755-2641-8774 (for Asia, Australia, Africa region)

86-755-8654-2465 (for Europe region)

86-755-2665-5136 (for America region)

86-755-2641-0546

Email: tech@leadshine.com

Sales Hot Line:

Tel: 86-755-2641-7674 (for Asia, Australia, Africa region)

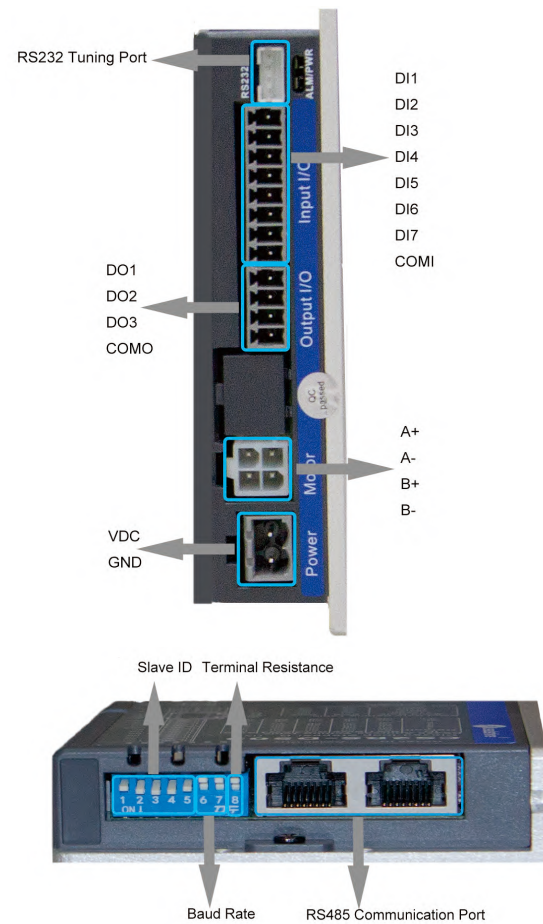
86-755-2640-9254 (for Europe region)

86-755-2641-7617 (for America region)

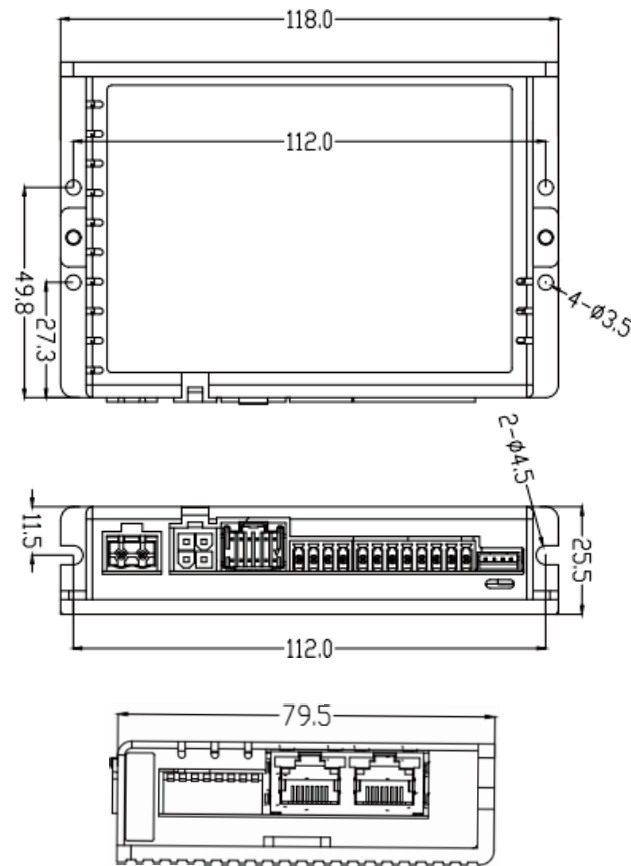
Email: sales@leadshine.com

EM2RS Series Specifications						
Parameters	EM2RS-522		EM2RS-556		EM2RS-870	
	Min	Max	Min	Max	Min	Max
Output Current (A)	0.5	2.2	0.5	5.6	0.5	7.0
Power Voltage (VDC)	24	50	24	50	24	80
Max Input Frequency (Khz)	-	10	-	10	-	10
Input Signal Current (mA)	12	24	12	24	12	24
Output Signal Current (mA)	-	100	-	100	-	100
Matching Motors	NEMA8, 11,17		NEMA23, 24		NEMA24, 34	

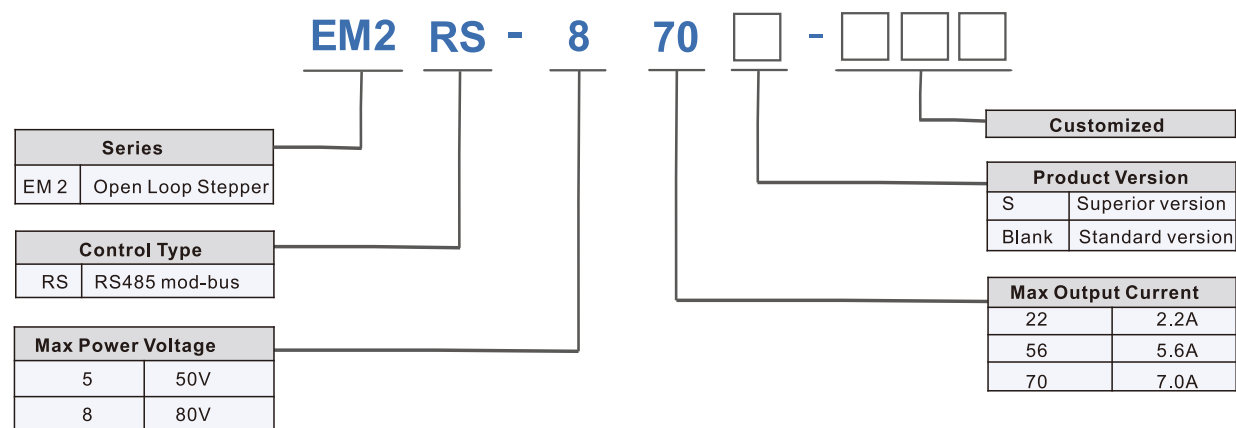
Connector



Mechanical Specifications (mm)



Part Number



Matching Closed-loop Stepper Motor

Motor Size	Motor Model			Phase Current (A)	Holding Torque (N.m)	Length(mm)		
	Standard Model	With Brake	Waterproof			Standard	Brake	Waterproof
NEMA17	42CM02	-	-	1.5	0.2	33	-	-
	42CM 02-1A	-	-	1.0	0.2	33	-	-
	42CM04	-	-	1.5	0.4	40	-	-
	42CM04-1A	-	-	1.0	0.4	40	-	-
	42CM06	42CM06-BZ	-	2.5	0.6	47	79	-
	42CM06-1A	-	-	1.5	0.6	47	-	-
	42CM08	42CM08-BZ	-	2.5	0.8	60	92	-
	42CM08-1A	-	-	1.5	0.8	60	-	-
NEMA23	57CM06	-	-	3	0.6	41	-	-
	57CM13	57CM13-BZ	57CM13-FS	4	1.3	55	96	65
	57CM13-3A	-	-	3	1.3	55	-	-
	57CM23	57CM23-BZ	57CM23-FS	5	2.3	76	116	90
	57CM23-3A	-	-	3	2.3	76	-	-
	57CM23-4A	-	-	4	2.3	76	-	-
	57CM26	-	-	5	2.6	84	-	-
	57CM26-4A	-	-	4	2.6	84	-	-
	D57CM21	-	-	6	2.1	67	-	-
	D57CM31	-	-	6	3.1	88	-	-
NEMA24	60CM22X	-	-	5	2.2	67	-	-
	60CM30X	60CM30X-BZ	-	5	3.0	85	124	-
NEMA34	86CM35	-	-	4	3.5	65	-	-
	86CM45	86CM45-BZ	86CM45-FS	6	4.5	80	114	90
	86CM80	-	-	6	8.0	98	-	-
	86CM85	86CM85-BZ	86CM85-FS	6	8.5	118	152	130
	86CM120	-	-	6	12	129	-	-

Stepper Motor Part Number

