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 II-VI Leadshine LASERPWR
 Trocen S&A PMI Leetro
 JFLO HAILEA RECI Raycus Meanwell
 Raytools Maxphotonics SmartRayc S&A
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 SYNRAD EZCAD Friendless
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 Leadshine  **CLOUDRAY** Ruida
 Raycus INDUSTRIAL SOLUTIONS Meanwell
 RECI Focusing Lens Protective Windows
 Laser Tube Air Compressor Ceramic
 Power Supply Mechanical Parts
 Controller Laser Optics Fan F-theta Lens
 Stepper Motor F-theta Lens Chiller Nozzles Galvo Head CO2 Laser
 Driver Mirrors Fiber Laser
 Cable Chain Goggles
 Timing Belt
 Fiber Laser





Catalogue












Stepper Motor & Driver





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1. Cloudray Stepper Motor

1.1 2-Phase Stepper Motor

Picture	SKU	Model	Rated Current	Shaft Diameter	Rotor Inertia	Length	Holding Torque		Frame Size
			A	mm	g. cm ²	mm	N.m	oz-in	NEMA
	SM47N17CS01A100	17CS01A-100	1.0	5	41	34	0.15	21	17
	SM47N17CS01A100E	17CS01A-100E	1.0	5	41	34	0.15	21	17
	SM47N17CS01A120	17CS02A-120	1.2	5	57	40	0.2	28	17
	SM47N17CS01A120E	17CS02A-120E	1.2	5	57	40	0.2	28	17
	SM47N17CS01A150	17CS03A-150	1.5	5	82	47	0.3	42	17
	SM47N17CS01A150E	17CS03A-150E	1.5	5	82	47	0.3	42	17
	SM47N17CS07A180	17CS07A-180	1.8	5	114	60	0.71	100	17
	SM47N17CS01A80E	17CS07A-180E	1.8	5	114	60	0.71	101	17





Picture	SKU	Model	Rated Current	Shaft Diameter	Rotor Inertia	Length	Holding Torque		Frame Size
			A	mm	g. cm ²	mm	N.m	oz-in	NEMA
	SM47N23CS04B200	23CS04B-200	2	6.35	240	42	0.4	57	23
	SM47N23CS09B280	23CS09B-280	2.8	6.35	260	55	0.9	128	23
	SM47N23CS09C280	23CS09C-280	2.8	8	260	55	0.9	128	23
	SM47N23CS13B280	23CS13B-280	2.8	6.35	460	76	1.3	98	23
	SM47N23CS13C280	23CS13C-280	2.8	8	460	76	1.3	98	23
	SM47N23CS13C280Z	23CS13C-280Z	2.8	8	460	115	1.3	98	23
	SM47N23CS15C280	23CS15C-280	2.8	8	150	64	1.5	214	23
	SM47N23CS22C400	23CS22C-400	4.0	8	460	80	2.2	314	23
	SM47N23CS22C400Z	23CS22C-400Z	4.0	8	460	119	2.2	314	23
	SM47N23CS30C500	23CS30C-500	5.0	8	720	102	3.0	428	23
	SM47N23CS30C500Z	23CS30C-500Z	5.0	8	720	143	3.0	428	23

Picture	SKU	Model	Rated Current	Shaft Diameter	Rotor Inertia	Length	Holding Torque		Frame Size
			A	mm	g. cm ²	mm	N.m	oz-in	NEMA
	SM47N24CS22C400	24CS22C-400	4.0	8	490	58	2.2	314	24
	SM47N24CS30C500	24CS30C-500	5.0	8	690	86	3.0	428	24
	SM47N24CS30C500Z	24CS30C-500Z	5.0	8	690	125	3.0	428	24
	SM47N24CS40C500	24CS40C-500	5.0	8	880	102	4.0	571	24


Picture	SKU	Model	Rated Current	Shaft Diameter	Rotor Inertia	Length	Holding Torque		Frame Size
							N.m	oz-in	
	SM47N34CS35D280	34CS35D-280	2.8	9.5	800	63	3.5	500	34
	SM47N34CS45E420	34CS45E-420	4.2	12.7	1400	78	4.5	642	34
	SM47N34CS45F420	34CS45F-420	4.2	14	1400	78	4.5	642	34
	SM47N34CS45FK420	34CS45FK-420	4.2	14(key and tap)	1400	78	4.5	642	34
	SM47N34CS65FK460	34CS65FK-460	4.6	14(key and tap)	1600	98	6.5	928	34
	SM47N34CS85EK490	34CS85EK-490	4.9	12.7(key and tap)	2800	112	8.5	1214	34
	SM47N34CS85FK490	34CS85FK-490	4.9	14(key and tap)	2800	112	8.5	1214	34
	SM47N34CS85FK490Z	34CS85FK-490Z	4.9	14(key and tap)	2800	154	8.5	1214	34
	SM47N34CS120FK600	34CS120FK-600	6.0	14(key and tap)	4000	155	12	1714	34

2. Clouday Stepper Motor Driver

2.1 2-Phase Stepper Motor Driver










Picture	SKU	Model	Current	Input voltage	Micro-stepping level number	Matching Motor
			A	V		MEMA
	SMD10SRDM422S	DM422S	0.3-2.2	24-48DC	200-25600	17
	SMD10SRDM542S	DM542S	1.0-5.0	24-50DC	400-25600	23/24
	SMD10SRDM556S	DM556S	1.4-5.6	24-50DC	200-25600	23/24
	SMD10SRDM860S	DM860S	2.4-7.2	18-80AC/24-100DC	400-51200	34

2.2 3-Phase Stepper Motor Driver

Picture	SKU	Model	Current	Input voltage	Micro-stepping level number	Matching Motor
			A	V		NEMA
	SMD10SR3DM580 S	3DM580S	1.0-8.0	24-50DC	200-25600	3-phase 23/24






3. Leadshine Stepper Motor

3.1 2-Phase Stepper Motor

Picture	SKU	Model	Phase Current	Shaft Diameter	Rotor Inertia	Length	Holding Torque		Frame Size
			A	mm	g. cm ²	mm	N.m	oz-in	NEMA
	SM10L2P42CM02	42CM02	1.5	5	35	33	0.21	30	17
	SM10L2P42CM04	42CM04	1.5	5	54	39	0.45	64	17
	SM10L2P42CM041A	42CM04-1A	1.0	5	54	39	0.45	64	17
	SM10L2P42CM06	42CM06	2.5	5	72	47	0.6	86	17
	SM10L2P42CM06SZ	42CM06-SZ	2.5	5	72	47	0.6	86	17
	SM10L2P42CM08	42CM08	2.5	5	110	60	0.8	114	17
	SM10L2P57CM06	57CM06	3.0	6.35	131	41	0.55	78	23
	SM10L2P57CM13	57CM13	4.0	6.35	300	55	1.3	183	23
	SM10L2P57CM13SZ	57CM13-SZ	4.0	6.35	300	55	1.3	183	23
	SM10L2P57CM22CSZ	57CM22C-SZ	4.8	8	480	80	2.3	329	23

	SM10L2P57CM23	57CM23	5.0	8	480	76	2.3	326	23
	SM10L2P57CM23BZ	57CM23-BZ	5.0	8	480	116	2.3	326	23
	SM10L2P57CM233A	57CM23-3A	3.0	8	480	55	1.3	186	23
	SM10L2P57CM264A	57CM26-4A	4.0	8	480	85	2.6	371	23
	SM10L2P86CM35	86CM35	4.0	12.7	1000	65	3.5	496	34
	SM10L2P86CM45	86CM45	6.0	12.7	1400	80	4.6	657	34
	SM10L2P86CM45BZ	86CM45-BZ	4.2	14	2000	114	4.6	657	34
	SM10L2P86CM45BZ	86CM45-SZ	6.0	12.7	1400	80	4.6	657	34
	SM10L2P86CM85	86CM85	6.0	12.7	2700	118	8.5	1204	34
	SM10L2P86CM120	86CM120	6.0	14	2940	129	12	1714	34





3.2 3-Phase Stepper Motor

Picture	SKU	Model	Current/Phase	Shaft Diameter	Rotor Inertia	Length	Holding Torque		Frame Size
			A	mm	g. cm ²	mm	N.m	oz-in	NEMA
	SM10L3P573S09	573S09	3.5	6.35	300	56	0.9	127	23
	SM10L3P573S15	573S15	5.8	8	480	76	1.3	184	23
	SM10L3P573S20LS	573S20-LS V1.2	5.8	8	480	79	1.5	214	23
	SM10L3P863S22	863S22	5.0	12	1300	71	2.3	326	34
	SM10L3P863S42	863S42	5.0	12	2500	103	4.3	609	34



4. Leadshine Stepper Motor Driver






4.1 2-Phase Stepper Motor Driver

Picture	SKU	Model	Current	Input voltage	Micro-stepping level number	Matching Motor
			A	V		NEMA
	SMD10L2PDM422S2	DM422S(V2.0)	0.5-2.2	20-36DC	200-25600	17
	SMD10L2PDM422C2	DM422C(V2.0)	0.5-2.2	20-40DC	1600-6400	17
	SMD10L2PDM442	DM442	1.46-4.2	18-36DC	400-25600	17/23
	SMD10L2PDM542	DM542	1.0-4.2	18-48DC	400-25600	17/23
	SMD10L2PDM542S	DM542S	1.0-4.2	20-50DC	400-25600	17/23

	SMD10L2PDM556	DM556	2.1-5.6	18-48DC	400-25600	17/23
	SMD10L2PDM856	DM856	2.1-5.6	18-80DC	400-25600	23/24/34
	SMD10L2PDMA860H	DMA860H	2.4-7.2	18-80AC	400-51200	34/42
	SMD10L2PDM2282	DM2282	0.1-8.2	180-240AC	400-25600	34

4.2 3-Phase Stepper Motor Driver





Picture	SKU	Model	Current	Input voltage	Micro-stepping level number	Matching Motor
			A	V		NEMA
	SMD10L3P3DM580	3DM580	1.0-8.0	20-50DC	200-51200	23/34
	SMD10L3P3DM583	3DM583	2.1-8.3	20-50DC	200-51200	23/34

	SMD10L3P3DM2283	3DM2283	3.1-11.7	180-240AC	400-25600	42/52
	SMD10L3P3ND883	3ND883	0.5-8.3	20-80DC	200-10000	23/24/34
	SMD10L3P3DM580S	3DM580S	2.0-8.0	20-50DC	200-51200	23/24/34
	SMD10L3P3DM683	3DM683	0.5-8.3	20-60DC	200-51200	23/24
	SMD10L3P3ND2283600	3ND2283-600	2.0-8.3	150-230AC	200-25600	34/42/52




5. Leadshine Closed Loop Stepper Motor & Driver

5.1 Leadshine Closed Loop Stepper Motor

Picture	SKU	Model	Rated Current	Shaft Diameter	Rotor Inertia	Length	Holding Torque		Frame Size
			A	mm	g. cm ²	mm	N.m	oz-in	NEMA
	SM10L42CME04	42CME04	1.5	5	54	62	0.45	64	17
	SM10L42CME06	42CME06	2.5	5	72	70	0.6	85	17
	SM10L42CME08	42CME08	2.5	5	110	83	0.8	114	17
	SM10L2P57CME06	57CME06	3.0	8	120	60	0.6	85	23
	SM10L57CME13	57CME13	4.0	8	300	74	1.3	185	23
	SM10L57CME13BZ	57CME13-BZ	4.2	8	600	109	1.3	185	23
	SM10L57CME23	57CME23	5.0	8	480	95	2.3	328	23
	SM10L57CME23BZ	57CME23-BZ	5	8	500	131	2.3	328	23
	SM10L57CME26	57CME26	5	8	520	103	2.6	371	23



	SM10L86CME45	86CME45	6	14	1950	109	4.5	642	34
	SM10L86CME80	86CME80	6	14	2500	126	8	1142	34
	SM10L86CME85	86CME85	6	14	2800	147	8.5	1214	34
	SM10L86CME85BZ	86CME85-BZ	6	14	2800	172.5	8	1142	34

5.2 Leadshine Closed Loop Stepper Motor Driver


Picture	SKU	Model	Current	Input Voltage	Micro-stepping level number	Matching Motor
			A	V		NEMA
	SMD10LCL42B	CL42	0.5-3	20-50DC	200-51200	17
	SMD10LCL57V2	CL57	2-8	20-50DC	200-51200	23
	SMD10LCL86H	CL86H	0.5-8	20-80AC	200-51200	34

6. Leadshine Servo Products

6.1 Digital Hybrid Servo Driver

Picture	SKU	Model	Input Voltage	Peak Point Current	Matching Motor
			V	A	
	HSD10LH2758	H2-758	50-80AC	0-8	86
	HSD10LH2506	H2-506	24-50DC	0-6	42/57/60

6.2 Leadshine Hybrid Servo Motor


Picture	SKU	Model	Frame Size	Current/phase	Matching Driver
	HSS10LHBS57S	HBS57+573HBM20-1000+CableG-BM3M0	50-80AC	5.0A	HBS57

7. YASKAWA Stepper Motor & Driver

7.1 7G Series

Picture	SKU	Model	Power
	SM10SGM7G13KW	SGM7G-13AFC61 + SGD7S-120A00A002	1.3kW
\	SM10SGM7G18KW	SGM7G-20AFC61 + SGD7S-180A00A002	1.8kW
\	SM10SGM7G850W	SGM7G-09AFC61 + SGD7S-7R6A00A002	850W
\	SM10SGM7G850W10M	10M	850W
\	SM10SGM7G850W3M	3M	850W
\	SM10SGM7G850W5M	5M	850W
\	SM10SGM7G850WB	SGM7G-09AFC6C + SGD7S-7R6A00A002	850W

7.2 7J Series

Picture	SKU	Model	Power
	SM10SGM7J400W	SGM7J-04AFC6E+SGD7S-2R8A00A002	400W
\	SM10SGM7J750W	SGM7J-08AFC6ESGD7S-5R5A00A002	750W