

Short form product catalog

Leading innovations in drives, controls
and integrated motion solutions



Drives, Controllers and Motors

MForce

Drives with integrated controller option

Compact MForce microstepping drives incorporate the same patented technology and programming as industry leading all-in-one MDrive® Plus integrated motion products, but without the stepper motor. Product versions include:

- Step/direction input — drive only
- Motion Control — drive and programmable controller

MForce drives have up to 20 resolution settings from full to 256 microsteps per full step, an extended operating temperature range and advanced current control.



MForce MicroDrive

Big power from a compact product, 3A RMS/4A peak per phase output current from a package measuring only 1.7x2.3x1.3" (42x59x33mm). The +12 to +48 VDC input voltage range can control a wide range of motors.

MForce PowerDrive

A broad +12 to +75VDC input voltage range and high, per phase output current of up to 5A RMS/7A peak deliver enhanced performance and speed.

Ultra miniature stepper motor drives

IB462He, IM481H Plus, IM483H Plus and IM805H Plus

These PCB mountable stepper motor drives deliver high performance at a low cost. Their ultra small size reduces the overall space required in your system without sacrificing features. Drives are designed to be soldered directly into a PC board, eliminating the need for mounting and wiring, saving design and assembly time, reducing system cost and increasing reliability.

IB462He

High performance, ultra-miniature bipolar half/full step +12 and +48 VDC drive with outputs up to 2A per phase.

IM481H Plus

IM483H Plus

IM805H Plus

High performance microstepping drives have 16 built-in microstep resolutions, both binary and decimal, ranging from full step to 1/256 step. High output currents are 1.5A/IM481H, 3A/IM483H and 5A/IM805H RMS. Resolutions may be switched on-the-fly without loss of position. Rapidly moving long distances, yet precisely positioning a motor without the expense of high performance controllers.



MicroLYNX

Integrated controller/drive

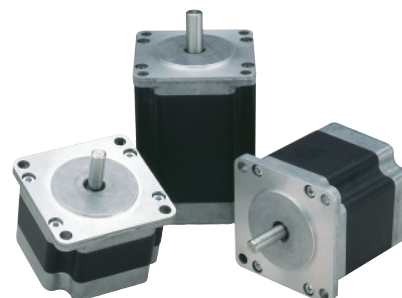
A compact integrated controller/drive for single and multi-axis stepper motor applications. MicroLYNX has 6 points of isolated I/O, with plug-in modules for added performance. Two power configurations are available. 3A RMS/4A peak output current with +12 to +48 VDC input voltage; and 5A RMS/7A peak output current with +24 to +75 VDC input voltage.



Hybrid rotary stepper motors

Enhanced hybrid rotary 1.8° 2-phase stepper motors are available in four flange sizes: NEMA 14 (1.4"/36mm), NEMA 17 (1.7"/42mm), NEMA 23 (2.3"/57mm) and NEMA 34 (3.4"/86mm). Single, double and triple stack lengths satisfy a wide range of applications, and are perfectly matched with our microstepping drives.

These powerful, low inductance motors deliver higher torque output than conventional hybrid stepper motors. Holding torques range from the NEMA 14 at 10 oz-in to 1090 oz-in with a NEMA 34. Optional encoders, with index mark and a broad range of line counts, deliver closed loop feedback.





Up to 2 standard MDrive products
ship within 5 working days.

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