

Variable Speed Drives & Related Products

ALSPA MV500 Control Simplicity



The ALSPA MV500 range of low power drives gives reduction in both cost and complexity. No drives knowledge is required to install ALSPA MV500 in most applications. Only 10 parameter settings cover the majority of drive applications. Additional menus are available if required.

The ALSPA MV500 range provides:

- 0.25kW to 15kW ratings
- simple installation & start up
- 230V & 400V operation with single and three phase input
- fast installation & convenient cable management

- non shaft rotating autotune to assist fast set up
- RS485 serial communications as standard
- intelligent thermal management to ensure minimum motor noise with maximum drive protection
- large power terminals for ease of cabling
- pluggable terminals for fast access
- built-in braking transistor for fast dynamic braking (on larger units)

ALSPA MV3000 A Revolution in Drive Technology

The innovative ALSPA MV3000 is designed throughout for effortless ownership, ALSPA MV3000 sets new standards for variable speed drives for size, ease of use and process availability. Power ratings up to 3,600kW, voltages up to 690V, VVVF, encoderless vector and flux vector control modes and a wide range of application functions make ALSPA MV3000 a truly universal drive.



Up to 315kW, the MV3000 is available in chassis format using the MicroCubicle™ concept giving:

- front access to all major sub-systems
- space for application specific enhancements
- bookcase format & side by side mounting for maximum packing density

Above 315kW the drive is available as air cooled (300kW to 1,800kW) or liquid cooled (600kW to 3,600kW) DELTA format.

For programming & monitoring, the majority of drives users prefer a keypad to the use of a pc. The Drive Data Manager™ redefines the keypad concept with menu navigation, on-line help, quick start and instrumentation facilities.

Available from your local distributor:

ALSPA MV1000 Intelligent Low Power Drives



ALSPA MV1000 drives are suitable for any configuration in single and multiple motor drive systems. Versatile hardware and software in the ALSPA MV1000 makes drive technology more flexible.

All ALSPA MV1000 drives are equipped with many integral, freely configurable facilities. Thus, as standard, any of five control structures can be selected.

The ALSPA MV1000 range provides:

- 0.75kW to 45kW ratings
- Economy mode for power and noise reduction when operating at less than full load
- Comprehensive testing and diagnostics functions
- 3-way parameter set changeover
- 4 fixed speeds
- Regenerative ride-through on mains failure

ALSPA VNTC/WNTC DC Drives

ALSPA VNTC (single quadrant) & WNTC (four quadrant) are compact, flexible, micro-processor controlled, digital drives used to supply DC motors in the 9kW to 1.25MW range..

The drives are rugged and can operate in simple applications or be incorporated in complex systems.

Typical applications include:

- handling
- multi-motor drive systems
- special machines
- hoists
- coiler/uncoiler systems
- wire drawing machines
- machine tool spindle control

ALSPA VNTC and WNTC DC drives offer numerous advantages to the user:

- simple diagnostics
- common command module for both single and four quadrant drives
- speed measurement by tachogenerator or pulse generator
- no network frequency adaption required
- field loss protection
- built-in flux controller (up to 8A)
- series or parallel 12-pulse mounting
- electronic overload protection
- instantaneous overcurrent trip
- speed feedback loss protection
- phase loss protection



ALSPA DNTA Soft Starter



The ALSPA DNTA 6-pulse digital starter using vector control is a new step forward in starting induction motors. It efficiently gives motors progressive and optimum starting, as well as controlled process slow down and increased availability.

ALSPA DNTA is preset for standard use and gives additional settings via its keypad. Menu access to all parameters and states of the starter, motor and mains supply is given via the keypad.

Typical applications:

- Pumps
- Fans
- Quarry Machines
- Compressors
- Generating plant
- Customer Care

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Training

Purchasers of any MV500 or MV3000 drive are entitled to free "Drives Awareness Training" which is provided at the ALSPA Academy situated at the Rugby office of ALSTOM Power Conversion.

Further training can be provided either through standard courses which cover the full ALSTOM product range and are designed to train your staff in maintenance, system design and development as required. Customised courses are also available.

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