

Medium Voltage Drives - TECO Electric Motors Australia and New Zealand

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Medium Voltage Drives

Industry Industry

Application Application

Product Energy Efficiency Product Energy Efficiency

Built in Bypass Built in Bypass

kW kW

Voltage Voltage

IP Rating IP Rating

Duty Rating Duty Rating

Constant Torque (kW/A) Constant Torque (kW/A)

Variable Torque (kW/A) Variable Torque (kW/A)

Phases Phases

Poles Poles

Supply Voltage Supply Voltage

Current Rating (Amps) Current Rating (Amps)

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Model

kW

Poles

Phases

IP Rating

TECO MV510 Medium Voltage Optimised for Efficiency and Reliability Designed for a range of applications including Oil & Gas, and Power Generation, TECO MV510 stands out with its multilevel H-Bridge topology, ensuring ultra-low harmonic VIEW MORE TECO MV510 Medium Voltage — — —

Medium Voltage Drive

A medium voltage drive works the same way as its low-voltage counterpart, adjusting the frequency and voltage supplied to a motor so you can control its speed and torque. The difference? These drives are built for larger installed loads, ranging from 3kV to 11kV motors, commonly utilised in mining such as mills, large conveyors, pumps, crushers, fans, and compressors.

On the other hand, a soft starter is all about controlling the motor current during start-up. Instead of hitting full voltage straight away, it ramps it up gradually, reducing the initial current surge and mechanical stress. Sometimes, you might not need variable speed control on your application; maybe it just needs to start reliably without damaging itself or the driven equipment. In such cases, a soft starter could be the smarter, more cost-effective option.

Unsure about whether a medium voltage drive fits the needs of your application or industry? Reach out to our team today for more information on our solutions and how they can help you meet your application requirements.

TECO's Catalogue of Medium Voltage Drive

At present, we provide the following medium voltage drive available for purchase. Our range includes:

TECO MV510 Medium Voltage

Both products are supported by TECO's service and parts network here in Australia. This means that you do not have to wait months for assistance or a fix if something goes wrong.

If you need help selecting the right medium voltage drive for your application or industry needs, contact us or send us an enquiry via email at Marketing@teco.com.au.

Medium Voltage Drive - Industries & Applications

Medium voltage drives are workhorses in sectors where larger motors keep the operations moving, such as:

Mining and quarrying operations typically use crushers, mills, conveyors, slurry pumps, and ventilation fans.

Oil and gas operations run pumps, compressors, and drilling equipment.

Water and wastewater treatment facilities operate high-capacity pumps and blowers.

Power generation uses cooling tower fans and boiler feed pumps.

Heavy manufacturing runs kilns, mills, and large mixers.

If your industry or application utilises a large motor driving a critical process, there's a good chance a medium voltage drive or soft starter could make it run smoother and last longer, all while costing less to operate.

How to Select a Medium Voltage Drive

Selecting the right medium voltage drive largely depends on your process requirements and budget.

If you need variable speed, process control, high torque, or energy savings from load-matching, go with a medium voltage drive.

If the motor runs at a fixed speed but you want to reduce start-up stress and extend equipment life, a soft starter may be the way to go.

There isn't a one-size-fits-all option when it comes to medium-voltage drives; the right choice depends on the motor size, load type, power supply, and operating environment.

Need more information? Consider booking a one-on-one consultation with our expert team for a personalised solution.

Contact TECO for Your Medium Voltage Drive

Looking for a specific medium voltage drive? Browse our range on our website or mobile application for more information about the solutions we have available.

For further assistance, do not hesitate to contact us .

Book a Consultation Have questions or need assistance? Reach out to us through the contact form, and we'll be happy to assist you.

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