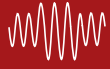


Braking & Line Regeneration



Overvoltage Solutions



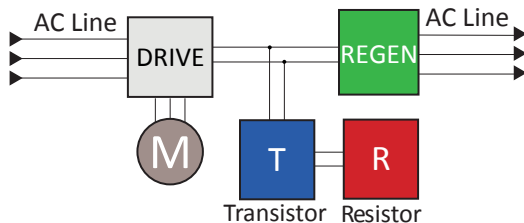
Resistor



Transistor



Line Regen



BONITRON

Braking Transistors, Resistors, & Line Regeneration

Bonitron remains a leader in the field of high horsepower braking and proudly maintains its reputation for durability and reliability, with models rated up to 1600A.

Bonitron Braking Transistors, Resistors and Line Regens are used in combination to allow full power braking and eliminate overvoltage faults on AC drives. This permits controlled braking and dramatically shortens motor stopping time. The Line Regen and Transistor work with Variable Speed Drives (VSDs) to monitor the DC bus. If overvoltage occurs, the Line Regen returns the excess energy to the AC Line.

When the braking requirement exceeds the Line Regen capacity, the Transistor shunts the excess energy through a braking resistor to prevent overvoltage faults.

Product Highlights

208 - 600 VAC

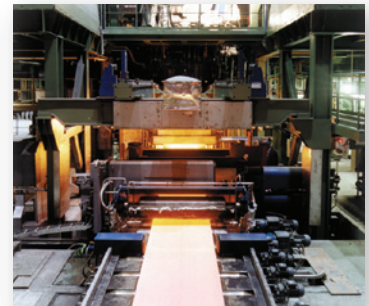
Line Regen

- 300A Continuous, 375A Peak
- Status LEDs or Interactive Digital Display with Event Logging
- Returns energy to the power grid resulting in energy savings

Transistor & Resistor

- Up to 1600A per unit (Parallel operation for higher ratings)
- Dissipates excess energy beyond Line Regen capacity
- EtherNet/IP, Profibus DP and Extended I/O Options
- 10 - 100% Duty

Industry Applications



Assembly Lines | Centrifuges | Conveyors | Cranes | Dynamometers | Elevators | Hoists | Pick and Place | & More!



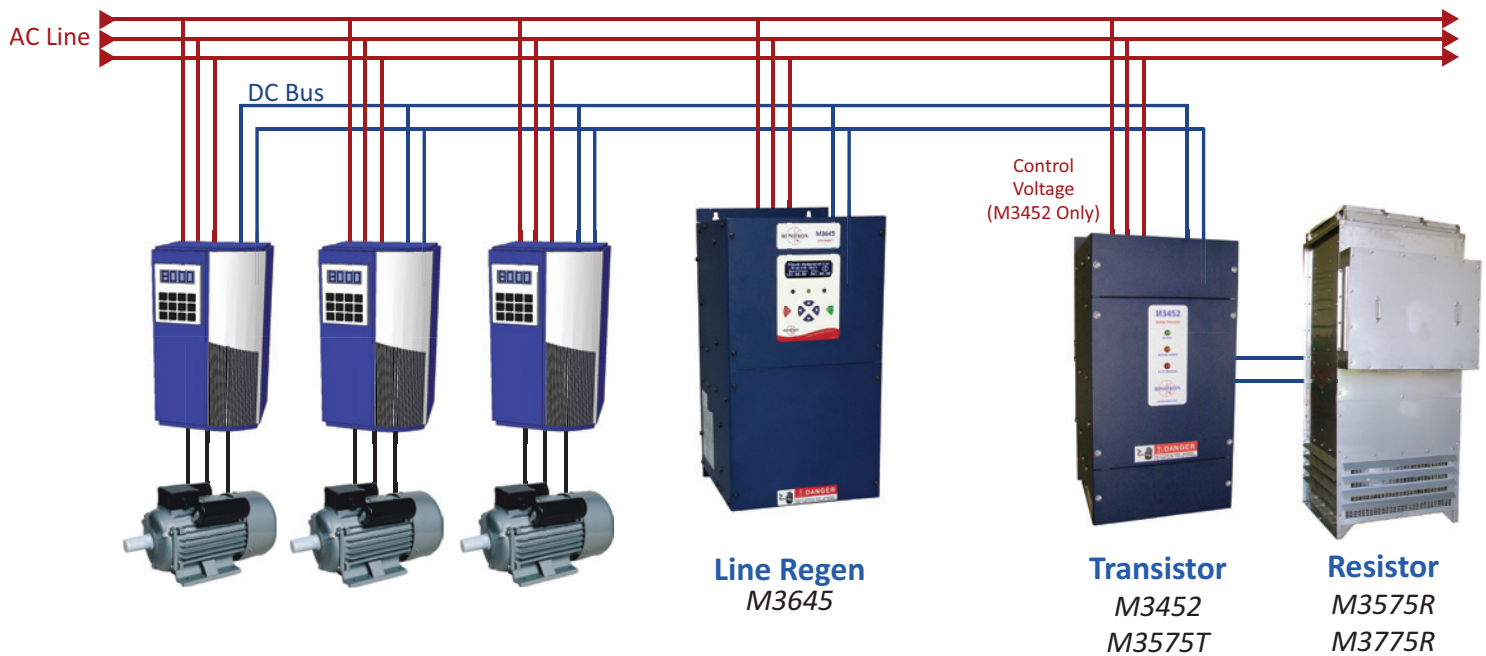
www.bonitron.com



615-244-2825

info@bonitron.com





Combination

A regen is most effective for frequent or continuous braking up to 180A, while a transistor/resistor is more suited to higher peak loads for shorter durations, such as emergency stops. If necessary, transistor/resistor and regen units can be used together for a more efficient solution where the **regen handles continuous braking needs and the dynamic brake activates when the regen's capacity is surpassed.**

Learn more at
Bonitron.com/overvoltage



Scan for more
Overvoltage information.

Several of our Industry Brochures feature our Bonitron Overvoltage Solutions.
Learn more at Bonitron.com/industries.html



Marine



Centrifuge



Logging & Sawmill



Crane & Hoist



Oil & Gas

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