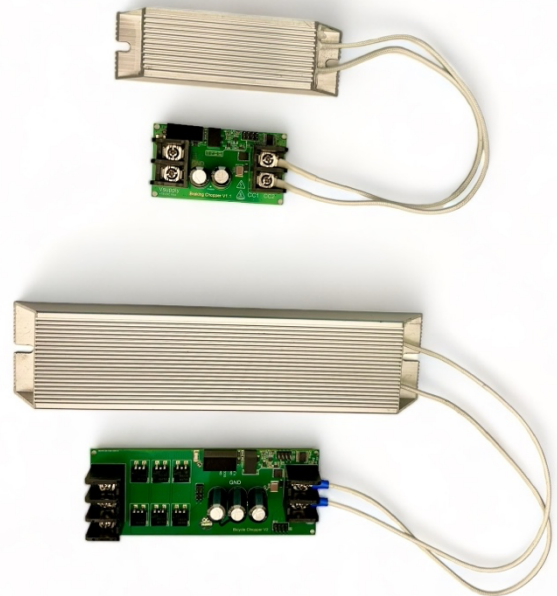


Universal brake chopper solutions

Overview

A brake chopper is used to handle the excess energy generated during the deceleration or braking of electric drives, such as motors in elevators, conveyor belts or machine tools. Normally, this energy is fed back into the DC link of the frequency inverter. However, when the DC link reaches its maximum voltage limit, the excess energy must be dissipated to prevent damage to the inverter or the connected equipment.

This is where the brake chopper comes into play. It converts the excess electrical energy into heat, which is then safely dissipated. This is particularly important in applications where frequent or rapid braking is required or where the motor is driven as a generator in servo mode.



Universally retrofittable brake chopper solutions

We offer "fully customizable" brake chopper solutions that **are connected directly to the DC link** without an additional power supply, which enables simple (subsequent) integration into an existing system.

Features

- Customizable to your specifications
- Retrofittable
- Freely programmable behavior
- Reliably protects against overvoltage

Applications

- Frequent braking (e.g. when changing direction)
- Conveyor technology, lifts, lifting and linear drives, vehicles and fitness equipment
- Retrofitting existing frequency inverters without brake chopper

Customized adaptations possible

Every application is different. That's why we adapt our product specifically to your application if necessary.

Specifications of existing solutions:

- Voltage range: 12-75 VDC or 80-650 VDC
- Power: 100 W to 2 kW continuous / 1-10 kW peak

