

Regen Energy Monitor

M3660REM



Maintenance Solutions

M3660REM

When variable speed drive systems are braking, they generate power that must be dissipated. If the excess energy is not dissipated, the drive system can lose control of the process due to an overvoltage trip, or must extend the braking time to keep from overpowering the drive. The traditional method of dissipating excess energy is burning the energy off in a resistor, but resistors take up significant amounts of space and generate an abundance of heat.

The M3660REM Regenerative Energy Monitor is designed to monitor the voltage and current of the resistor to calculate the total energy dissipated across the resistor. The resulting data can be used to size a Bonitron Line Regen to replace the resistor and minimize heat loss, shrink footprint, and return the energy to the AC line.



Simple Connection

1. Hook the REM up to the resistor connections, clamp current clamp around one lead.
2. Run the drive thru cycle for each type of varying lead.

Product Highlights

Will record for each braking event:

- Total length
- Peak current
- Total energy(in joules)
- Peak power

M3660REM Selection

Model Number	Drive AC Voltage	Max Monitoring Voltage	Max Monitoring Current	Weight
M3660REM-C2000-B	208 - 600 VAC	1000 VDC	2000 ADC	10 LBS