

# When does the vacuum circuit breaker energy storage circuit automatically store energy

How long can a vacuum circuit breaker be stored?

If the storage conditions listed below are met, the vacuum circuit-breaker can be stored for up to a year in its transport unit. If the storage conditions are not met, the vacuum circuit-breaker cannot be stored in the transport unit for longer than 6 months.

What are the limitations of a stored energy breaker?

Conventional stored energy breakers also place limitations on the types of control voltages allowed. Vacuum interrupters were mounted in open moldings, making them susceptible to dust, moisture, and corrosive atmospheres. The AMVAC is truly the next generation in medium voltage vacuum technology.

What is undervoltage release in a vacuum circuit breaker?

The undervoltage release (-Y7) has an electromagnet system that is always live when the vacuum circuit-breaker is in the closed state. If the voltage drops below a certain value, the undervoltage release (-Y7) is unlatched, thus initiating opening of the vacuum circuit-breaker via the energy storage mechanism.

What happens if a vacuum circuit breaker is triggered manually?

If the vacuum circuit-breaker is triggered manually with the cover removed and the mechanical locking device actuated, the operating mechanism of the vacuum circuit-breaker will be irreversibly damaged. Any warranty claims are lost in the event of such incorrect operation.

How to lock a vacuum circuit breaker?

To lock vacuum circuit-breakers as a function of the switching position, the spring charge mechanisms of the vacuum circuit-breaker can be equipped with a locking mechanism. Mechanical locking mechanism (optional)

How many operations can an Amvac circuit breaker handle?

Having only an open/close actuator, an electronic controller, and capacitors for energy storage, the AMVAC circuit breaker mechanism is capable of 50,000 to 100,000 operations. Vacuum interrupters are embedded in a proprietary epoxy material, achieving excellent dielectric and thermal capabilities.



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