

Is there any impact if the battery cabinet and PLC are placed together





Overview

What is the purpose of a PLC battery?

(What is its Purpose) PLC configuration settings, Process set points, PLC logic, and Real-Time clock are stored in the EPROM (Erasable Programmable Read-Only Memory), and the battery powers the EPROM. The battery continues to power the EPROM, in case the PLC's power supply is isolated for maintenance or when a power failure occurs.

Why does a PLC battery continue to power the EPROM?

The battery continues to power the EPROM, in case the PLC's power supply is isolated for maintenance or when a power failure occurs. The reason why the PLC battery is also referred to as CMOS battery, backup battery, RTC battery, processor battery, or the RAM memory battery.

What happens if a PLC battery fails?

If the PLC battery is a capacitor assembly, the current memory values will be automatically backed up if a power failure occurs. And when the power supply to the PLC is restored, the PLC returns operation mode with the program values and configuration that were present prior to the power loss.

What happens if a PLC goes out of power?

And when the power supply to the PLC is restored, the PLC returns operation mode with the program values and configuration that were present prior to the power loss. The battery capacitor assembly can typically back up the memory up to 72 hours after a power outage.



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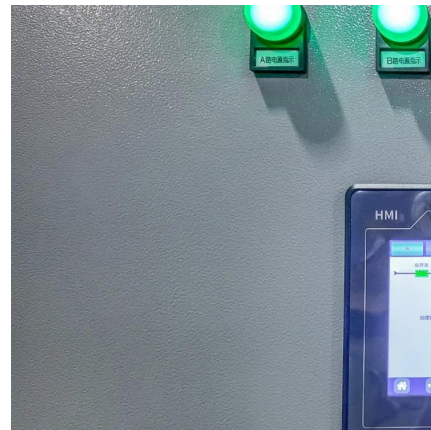


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...



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