

Title: Automatic unloading of power generation cabinet

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By intelligently monitoring power availability and quality, switchgear transfer controls facilitate automatic or manual switching between primary and backup power sources, safeguarding against power outages.

The Automatic Power Transfer and Load Control (APTL) is used to eliminate power bumps or surges at the moment of connecting or separating a local generator system from the utility.

The utility model discloses automatic load and unload equipment for generators, which comprises a plurality of parallelly arranged load and unload rails and an electric collecting and...

When the transfer is completed the single-pole, double-throw Utility Unload contacts will open. These contacts are used to initiate an automatic separation from the utility.

Once the utility power comes back (recovery), ATS will automatically switch the load wires to connect utility power supply, automatically stop the genset afterwards.

The AGLC tracks the load on the generator set at all times and starts the ramp at the load on the set, eliminating any bump and providing smooth transfer of power, whether loading or unloading.

The solution features a standardized modular combination of the generator systems excitation (AVR), protection and synchronization, as well DCS interface and local operator interface ...

Power Requirements ac or 230 Vac power, either 50 or 60 Hz. The power supply must be uninterrupted while the AGL is being used in the generating system. The AGLC may be connected

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