Holcomb Energy Systems LLC

The Future of Energy on Planet Earth

The HES In-Line Power Generator (ILPG) is a solid state (no moving parts) technology that starts with a clean, reliable power source, single phase, split-phase or three phase, from a power company, an electric power generator, or renewables such as solar or wind. The ILPG is in circuit between the power source and the load.

The ILPG system consists of proprietary wound “concentric stators”, high grade electrical steel and internally/externally mounted components. The system is manufactured to National Electrical Code (NEC)/UL Standards. Using the source power as the excitation and voltage/frequency regulation, the HES ILPG unit amplifies the incoming electrical power by 100- 500%, thus decreasing the amount of incoming electrical power proportionately to the load requirements. 50% - 80% energy savings are the result. The ILPG is extremely efficient with no moving parts, no “reverse torque”, and no excessive heat and noise associated with typical power generation.

The ILPG system is sized in kilowatts appropriate to the building/application load. The ILPG is scalable for very small, under 5 kW applications to very large application loads of 500 Megawatts or more. ILPG units are packaged in self-contained enclosures with UL Listed/Recognized electrical terminal interfaces from the AC power source to the electrical load panel. As with all electrical/electronic equipment, the ILPG must be kept cool and dry. In operation, the ILPG easily handles all types of dynamic loads, including resistive, inductive, and capacitive. Surges from stopping and starting motor loads are not an issue for the ILPG, as the unit responds instantaneously to changing load requirements. Application voltage is maintained from the primary AC source all the way through to the loads with no losses.

The ILPG can be easily retrofitted to existing AC electrical systems and all new residential/commercial AC electrical systems providing the consumer with 50 – 80% energy savings and the overall electrical grid with dramatically reduced demand.

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