

HYBRID PV SYSTEM

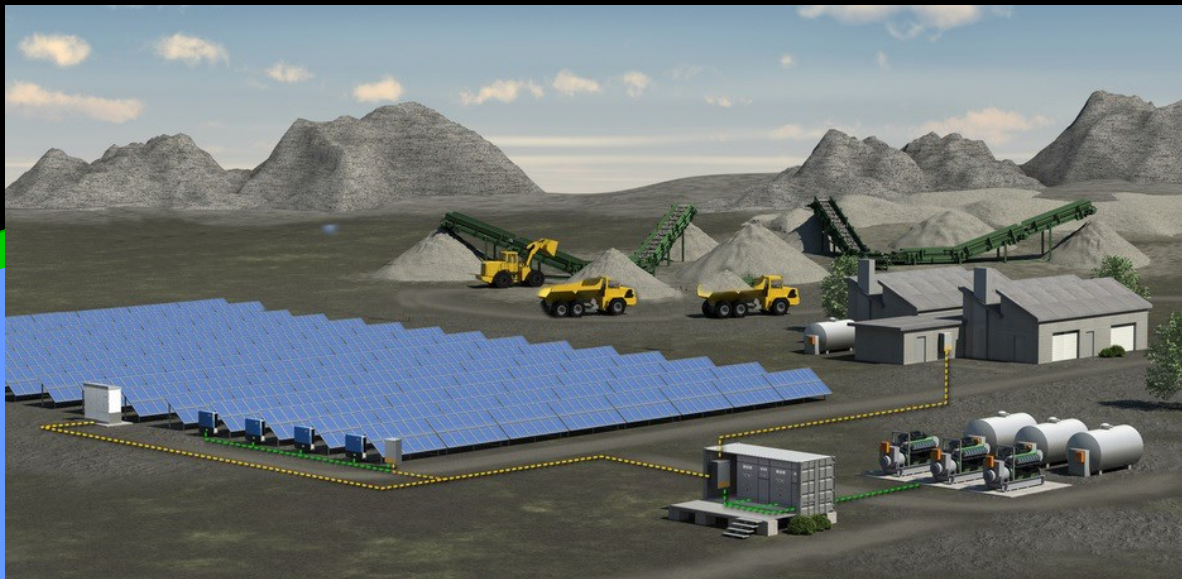
Gloren Energy Hybrid PV System provides intelligent integration of photovoltaic (PV) systems into diesel gensets to ensure a self-sufficient energy supply with enhanced efficiency.

If your organization relies on Diesel gensets for power generation and is located in regions with a sufficiently high level of solar irradiation, the additional integration of our Hybrid PV System in the power supply system can reduce operation cost and increase reliability of the power supply system.

Adding a photovoltaic diesel hybrid system will reduce fuel consumption through the feed-in of photovoltaic energy, leading to considerable reduction in fuel and maintenance cost.

Our system integrate seamlessly into the diesel gensets grid with an intelligent fuel save controller, that is compatible with the inverters, manages demand-based PV feed-in according to load and generation profiles. This ensures in maximum security with reduced fuel costs while also minimizing CO2 emissions.

The intelligent controller carries out comprehensive and demand-based grid management functions in conjunction with the inverters. Our hybrid system is modular in design and can be expanded at any time and provide optimal system control via remote monitoring.



Intelligent management of the gensets and the PV system ensures system stability and security of supply at all times. Ideal applications include military bases, raw material processing plants, textile factories, large-scale agricultural operations and remote mines. Holiday island resorts or off-grid regions can also benefit from the additional use of PV systems in hybrid power supply systems.



GLOREN ENERGY LLC

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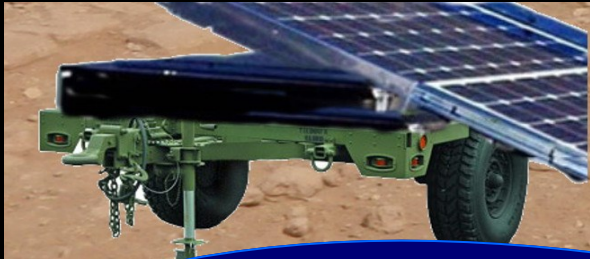
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ADDITIONAL PRODUCTS:

SolGen1: Container-based renewable energy system designed to function in both on-grid and off-grid applications and can produce up to 10kW of solar energy on an 8 ft x 20 ft footprint with battery backup sized to suit



SolGen Mini: Renewable energy system built on a standard military or commercial trailer and can produce up to 1kW of solar energy.



Combined Power & Water Desalination unit: Container-based renewable energy system capable of producing up to 10kW of solar energy and 10,000 GPD of potable water on an 8 ft x 20 ft footprint with battery backup sized to suit.



Gloren Energy



Renewable Power for Life

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