

REMOTE POWER GENERATING SYSTEMS

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Traditional Remote Systems

We define island, desert and inaccessible locations power as a remote, private or utility managed, electrical power generating systems **powered mostly by diesel generator sets**. The high cost of diesel fuel and cost of transport to remote locations, caused **electricity to cost \$0.45/kwh to \$0.65/kwh+** on most of these types of locations in the world. Unfortunately, many of these locations must desalinate their own water or use different types of water treatment processes, making energy one of their highest expenses.

G-P LLC's Remote Power Systems

G-P LLC has developed remote power systems with battery storage in **capacity from 60kVA to 1800kVA** with **battery storage from 13kWh to 2.2mWh**. We used systems already proven to be highly reliable in both the deserts around Dubai and the tropics, and developed a turn-key system, self-contained in 8 foot wide by 10 foot long to 40 foot long sea containers. Our systems are all "plug-n-play", meaning it takes only hours to a few days to make container to container plug-in to solar power, diesel back-up or grid if available and connect to users main power switch.

You can view our latest system operating off-grid at our factory with PV on the roof, battery storage and supply of power for the engineering offices. It has all of our newest remote monitoring of all systems and off-site operational control that is designed for island resort hotels, small troops, construction sites or private estate in remote locations or on private islands.

Rapid Deployment PV System

Rapid deployment PV pod units - designed for plug-n-play connection to our G-P LLC remote power system & ideal for any suitable power supply system on the planet. The system is developed for remote sites and rapid deployment by three trained staff in 24 hours. Plug & play system is equipped with stringers and separate pod containing combiner boxes, grounding hardware, grounding rods, and disconnects located remote of 45kw power system, housed in sea container. Palletized solar modules mate-up with our 45kw power management and battery storage system.



Power Storage/Management

Our island inverter & UPS systems have proven themselves as maintenance free over the years, becoming the choice for high speed rail applications, for large ups systems and for Middle East desert, off-grid conditions for the inverter based systems. We have taken these highly reliable systems and developed a turn-key container system, where we deliver containerized systems that have been factory tested with our rooftop solar array. And in combination with our power management systems, you are fully covered for your off-grid system.

Solar Farm Arrays

For a large scale systems, G-P LLC has developed a pre-made solar array and farm designs. Created by our engineers, our pre-made kit designs, will cover any type of location, from sandy deserts, steep hill sides and even ocean and lake water surfaces. Our systems reduce the cost of planning and mounting significantly.

