

Do you have a remote site that relies on generator-only power?
Searching for a lower cost and greener power solution?

Hybrid Containerized Power & Communications System

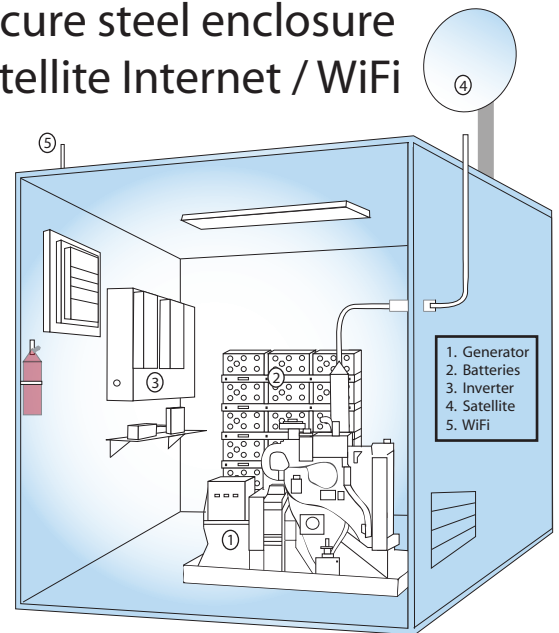


System Features

- Provides 24hr power without continuous generator use
- Completely automated
- Maintenance programs
- Redundant backup systems
- Remote monitoring & controls
- Easily transported
- Secure steel enclosure
- Satellite Internet / WiFi

Expansion Options

This system forms the base module into which renewable resources can be integrated. Solar photovoltaic, wind, microhydro and thermal options all exist. Contact EA to determine what works best for your needs.



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CASE STUDY

John Prince Research Forest, Fort St James BC

In June of 2008, EA was contacted by the John Prince Research Forest Society, who manage a research forest and campsite on Tezzeron Lake, 45 minutes from Fort St James, BC. Since it's establishment in the 60s, this camp has been 100% reliant on a diesel generator for all electrical power.

The client was looking for solutions to provide 24hr power without having to run the generator 24hrs per day, as it was costing them a fortune to operate.

This was a perfect site for EA's hybrid
Containerized Power System.



- Xantrex inverter/chargers - 12 kW continuous 120/240 electrical power
- Industrial sealed AGM battery bank - 150 kWh
- Custom Auto-start interface to existing 20 kW Kubota diesel generator
- Remote monitoring and control, allowing EA technicians and client to monitor site
- Commercial-grade satellite internet - SkyData service with VoIP
- Entire site blanketed with WiFi through repeaters



This is the first phase of expansion. With 24-hour electricity and internet access available, it now becomes a much more usable research facility. As the site evolves, the facility plans to add wind and microhydro power sources to further reduce reliance on the generator.



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