

Zina Sunshine

BACKUP POWER SYSTEM CASE STUDY



SYSTEM SPECIFICATIONS	
Location	Hollywood, Florida
System Power	3000W solar system
Components	<ul style="list-style-type: none">• FLEXPpower ONE (GFX inverter/charger)• FLEXmax charge controller• MATE3 system display and controller

OVERVIEW

Jeff Johnston founded Zina Sunshine, a Florida-based company specializing in solar-powered systems to support heated pools, water heaters and electricity for commercial and residential customers in 2002. State-licensed Zina Sunshine has installed more than 2,000 solar power systems in Dade, Broward, Palm Beach and Monroe counties. When a customer approached Zina Sunshine about a solar installation capable of supporting nearly 3,000W worth of applications on his plantation, the company sought out a fully integrated, reliable and true sine wave power system.

CHALLENGE

- Design and specify a solar energy system capable of providing 3,000W of power to residential appliances and devices
- Establish a backup power source to kick-in automatically in the event of a utility outage
- Install a system that includes all the necessary components—in a compact design that is code-compliant and easy to install

SOLUTION

- The installed FLEXPpower system serves as an emergency load center and eliminates the need for a generator
- FLEXPpower ONE system can automatically take over to power all residential needs—from air conditioning to refrigeration and lighting

OUTCOME

- In post-installation testing, the OutBack Power system worked as expected by automatically replacing grid power when the grid connection was terminated
- Zina Sunshine predicts that the customer will save approximately \$50 per month on his electric bills
- In the event of a hurricane or other natural disaster, the customer will not suffer any power interruptions

