

# Data Center Resiliency

## GRID-TIED WITH BATTERY BACKUP CASE STUDY



SYSTEM SPECIFICATIONS	
<b>Location</b>	Carolina, Puerto Rico, USA
<b>Total Stored Energy</b>	117kWh
<b>Components</b>	(2) EnergyCell® XLC battery systems

### OVERVIEW

During the grueling experience of Hurricane Maria, our customer's existing grid-tied only system was destroyed, so they decided to install a backup system to cover their data center requirements. Being an OutBack Power™ distributor and fully confident in its benefits, they trusted and installed OutBack Power's EnergyCell® XLC battery system in the most sensitive part of their business—the data center. The battery system is located close to the data center and is clearly visible so it gives their operation the backup it needed and also serves as a showroom to showcase OutBack Power equipment at work.

### CHALLENGE

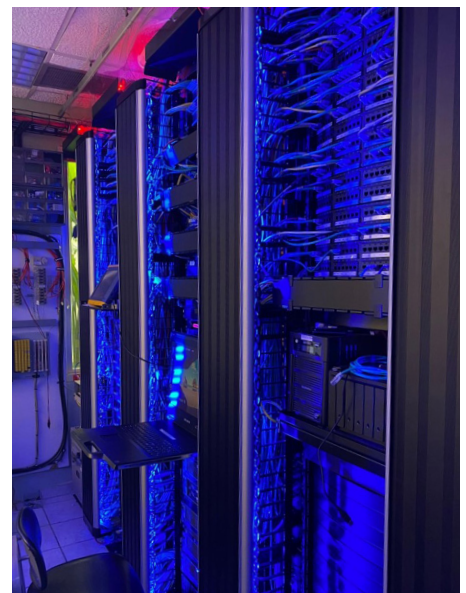
- Grid-tied only system destroyed by Hurricane Maria
- During long term outages, the generator had to be turned off at night
- Data center would have to be shut down entirely every night and brought back up every morning
- The company would lose valuable time during this process
- Power outages continue to be a regular occurrence

### SOLUTION

- Reinstallation of a PV system
- Installation of OutBack Power EnergyCell® XLC to cover data center backup requirements bringing other added benefits such as easy installation, safe operation, long life, warranty and aesthetics

### OUTCOME

- Reinstallation of a PV system gave the company a break in electric bills
- With the addition of battery backup, they now have 24/7 seamless data center operation



*"The [EnergyCell®] XLC [battery system] was our top choice for data center resiliency in Puerto Rico due to its large capacity, warranty, safety and long life offered by its advanced carbon technology. Choosing [this battery] was important to us as it provides ruggedness, predictability and most importantly safety."*

**Nelson Class**—Renewable Market Leader, Glenn International