



# EXCITING NEWS:

**OutBack's VFXR3648A is the first battery-based inverter to qualify for HECO's stringent new "ultra-fast trip" TrOV-2 requirements.** This achievement validates the rock-solid performance of OutBack multi-mode inverterchargers in meeting the **Transient Overvoltage Self-Certification test as required by HECO.**

**Background:** Utility perceptions about PV issues including disruption and overvoltage have interfered with Hawaiian customer's ability to add solar to their homes. But our performance in the TrOV-2 test proves that, on the contrary, PV is not a problem when OutBack inverters are part of the solution.

**The Reason:** Our inverter/charger's advanced construction and controls enables it to maintain a stable output the moment the grid fails (actually, because we have energy storage behind us, we can even absorb those potentially damaging voltage surges that the utility is concerned about). Immediately after grid failure, our inverter re-engages to protect the loads in the home. For those circuits HECO has classified as "at capacity," our TrOV-2 performance and ability to meet HECO's new ride-through requirements, combined with our leading self-supply options such as GridZero, MiniGrid, HBX and Grid-Use Timers, allow customers to reap the benefits of solar now with no negative impact on the grid.

**Bottom Line:** OutBack makes the first grid-interactive inverter to be approved for TrOV-2 and under review for Interim Voltage and Frequency Ride-Through; all others are grid-dependent (other grid-interactive multi-mode inverters are only approved for TrOV-1, and remain blanks for the rest). These HECO test results prove the benefits of OutBack's products and technologies in providing consistent and stable performance to both a Hawaiian customer's home loads as well as HECO's grid under a wide range of conditions. Most important, they deliver on our promise of providing both future-proof system assurance as well as true energy independence, by making it more cost-effective than ever to generate and supply your own power with your home as a personal microgrid.

## BEHIND THE RESULTS

The following OutBack Power multi-mode inverterchargers meet HECO's TrOV-2 requirements both in their default programming and while operating under HECO's expanded windows of voltage and frequency ride-through. No additional programming or settings need to be changed to meet the TrOV-2 requirements.

- Radian GS8048A      ➤ VFXR3648A      ➤ FXR2524A
- Radian GS8048      ➤ VFXR3524A      ➤ GTFX3048-HI
- Radian GS4048A      ➤ FXR3048A      ➤ GTFX2524-HI

**In addition,** the following OutBack Power multi-mode inverterchargers meet HECO's Interim Ride-through requirements, and are fully certified and Listed to UL1741 for both utility-interactive and standalone operation. Adjustment to the voltage and frequency settings required can be made by qualified persons and are within the specification range of these products.

- Radian GS8048A      ➤ VFXR3648A      ➤ FXR3048A
- Radian GS4048A      ➤ VFXR3524A      ➤ FXR2524A