



On-Grid or Off: We Carry the Load

First Radian Series Inverter/Charger Shipped and First User Sees Marked Performance Improvement

The Test

It started with a preview demonstration and a simple bet. Eric Johnson runs Johnson Brothers Construction, specializing in timber frame construction in the remote hills above Potter Valley, California. With no utility power to his sites, Johnson had begrudgingly accepted the hassle of running just one machine at a time on his 15kW diesel generator. However, this all changed when Johnson deployed OutBack Power's new Radian Series Inverter/Charger.

The Radian Series provides a powerful, easy-to-install, easy-to-maintain and easy-to-use solution for energy requirements of any size, anywhere, whether grid-interactive, back-up or off-grid power is required. The Radian Series also allowed Johnson, for the first time ever, the ability to run multiple machines at once, increasing his productivity, output and profitability while actually lowering his costs.

"It was clear in the first few minutes of seeing the Radian Series in action that we were going to see a marked increase in performance in our shop", said Johnson. "Outback's reputation for quality and service was evident."

Towards the end of the demo, Johnson asked Outback representatives just how many of his machines he could run at once. So they turned on one. Then another. Then another.

"We decided to see how many tools we could run at the same time before overloading the inverter," said Phil Undercuffler, Director of Product Management and Strategy for OutBack Power. "Long story short, we were able to start and run everything he owned, and still weren't yet at capacity." For the record, that included 13 horsepower of inductive motor loads, including a variety of table saws, planers and air compressors.

Truly Customer Focused

OutBack Power engineers conducted in-depth interviews with distributors, integrators and installers to develop the Radian Series with the right features and benefits. The Radian Series Inverter/Charger is backed by OutBack Power's reputation of quality, with low failure rates, built-in redundancy, and an established design with simplified interface that makes it reliable and easy to use. And because all products are designed, engineered and manufactured in the USA, availability and turnaround of needed parts and service is best-in-class.

Other key features of the Radian Series Inverter/Charger include:

- Grid-interactive and stand-alone capability in the same package
- 8000 watts of continuous power
- 120/240V split-phase power
- Dual AC inputs
- Flexible design for systems between 8 and 80 kilowatts
- Built on OutBack Power's core FX FET board technology

What makes the Radian Series such a powerful solution?

Basic grid-tied systems can sell back power from a renewable energy source, but only grid-interactive systems can power the load if the grid fails. The Radian Series Inverter/Charger's dual AC inputs also provide the flexibility to connect to the grid and recharge the batteries from a generator, offering owners a continuous power supply, even if emergency conditions last a week or more. "It's a beast. The new Radian Series goes way beyond anything else on the market," Jeff Oldham from Regenerative SOLutions raved.

Plus, the system is completely scalable. The 120/240V output integrates directly into standard home wiring, while the modular, parallel architecture combined with OutBack's robust HUB Communications Manager provides the ability to build a system to power nearly any load imaginable.

The inverter and charger functions are already configured making installation as easy as plugging in a refrigerator. Field trials have shown that installation takes half as much time as other comparable solutions. The modular design minimizes emergency service calls by allowing the system to be brought back online at reduced power in the case of a power module failure.

What makes OutBack Power special?

Over the years, OutBack Power has earned a reputation for quality based on a track record of reliability, serviceability, durability and dependability. All of OutBack's products are designed, engineered and manufactured in the USA. When products and parts are needed, there isn't a wait for a shipment from overseas preventing project delays.

And if anything ever does go wrong, the renowned OutBack Power customer service team has customers' backs dedicating a high level of attention and support to distributors, installers and system owners. OutBack's industry-acclaimed "no hassle" approach to problem solving combines technical expertise, excellent communication skills and a commitment to the comfort and security of the people whose homes and offices are powered by OutBack systems.

Customers agree. "I've been able to trust OutBack Power for years, and the Radian Series Inverter/Charger takes their product line, performance and reliability to a new level," said David Katz, Founder and CTO of AEE Solar. "We're already seeing significant demand for it, and expect this line will help accelerate our sales and customer growth in the months to come."

The Radian Series is now available for order, and initial demand has exceeded early expectations. For more information on OutBack Power and its products, contact the OutBack Power sales team at Sales@OutBackPower.com or customer service team at Care@OutbackPower.com.