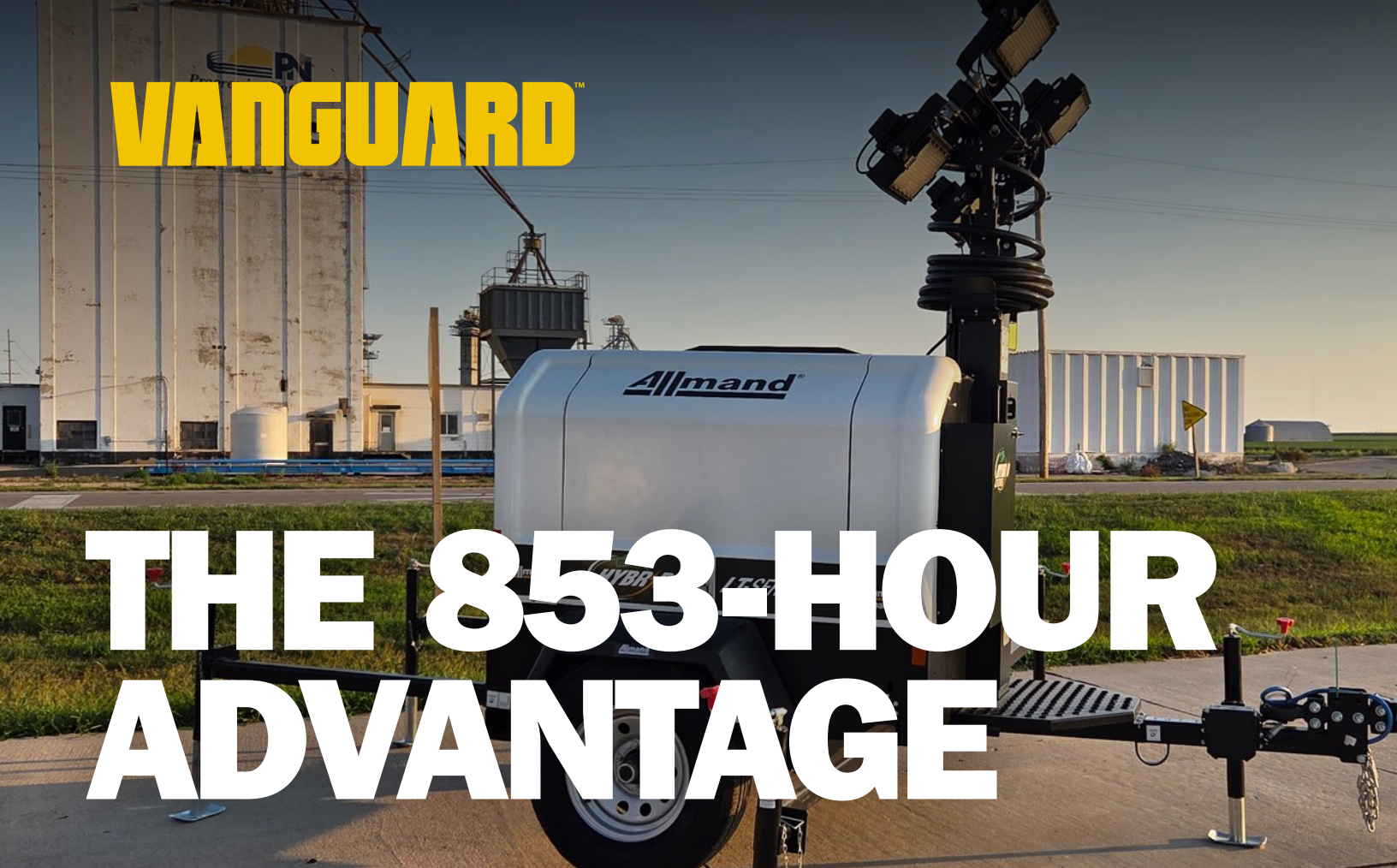




VANGUARD™

THE 853-HOUR ADVANTAGE



**How Allmand and Vanguard Redefined the Jobsite with the Hybrid LT-Series™
Powered by Vanguard™ Fi7.0kWh Commercial Battery Packs.**

For decades, the soundtrack of progress after dark was the constant, droning hum of a diesel engine. It was the sound of a job getting done, but it was also the sound of high fuel costs, frequent maintenance, and neighborhood complaints. Allmand, a leader in jobsite equipment, knew it was time for a new soundtrack. In partnership with Vanguard Commercial Power, they composed a future powered by quiet, reliable, and revolutionary efficiency.

The Unavoidable Noise

Picture it: a critical infrastructure project on the edge of town. The work can't stop when the sun

goes down. As the light towers roar to life, they cast a powerful glow, but they also blanket the area in a noisy, 65-decibel hum. This was the accepted reality of nighttime operations – a reality that came with a steep price. The relentless thirst for diesel meant refueling trucks were a constant presence, and the strain on the engines meant maintenance was a recurring headache.

Allmand saw the writing on the wall. Their customers in the demanding rental market were facing increasing pressure. Municipal noise ordinances were getting stricter, fuel costs were rising, and the call for more sustainable solutions was growing louder than the engines themselves. The challenge was clear:



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HIGH FUEL COSTS, NOISE RESTRICTIONS, AND FREQUENT MAINTENANCE. OUR VISION WAS TO DELIVER A PRODUCT THAT DIRECTLY ANSWERED THOSE CHALLENGES WITHOUT COMPROMISING ON THE POWER AND RELIABILITY ALLMAND IS KNOWN FOR. VANGUARD WAS THE IDEAL PARTNER TO HELP US REALIZE THAT VISION.”

David Dooley

SVP and Group President, Allmand



**48V 7.0KWH*
COMMERCIAL BATTERY
FIXED BATTERY - Fi7.0**

Powerful, efficient and safe: This fixed battery pack is designed to blend seamlessly into any equipment setup.

- **Expandable:** Packs can be combined in parallel for additional capacity.
- **Durable:** Multiple protective features tested to withstand harsh conditions, including extreme temperatures, impact, vibration, moisture and dirt.
- **Increased Uptime:** Up to 2000-cycle life to 80% initial capacity.

NOMINAL VOLTAGE (V):	51.6
NOMINAL CAPACITY¹ (AH):	135.9
NOMINAL DISCHARGE CURRENT (A):	134
CHARGE TIME WITH 1050W / 3000W CHARGER² (H):	8 / 4
PACK WEIGHT (LBS/KG):	110 / 49,9

how could they deliver the powerful, reliable light their customers depended on, without all the baggage?

The Vision: A Quest for Quiet Reliability

Allmand envisioned a smarter solution. Not a complete departure from the reliability of diesel, but an evolution. Their idea was a hybrid light tower – a machine that could harness the silent, efficient power of a battery for hours on end, yet still have a diesel engine ready to take over and recharge the system. It was the best of both worlds: a self-sufficient powerhouse that would slash fuel consumption, run silently, and drastically reduce the maintenance burden.

To bring this vision to life, they needed more than just a battery supplier. They needed a true power partner who understood the brutal conditions of a jobsite and could deliver an intelligent, integrated, and rugged solution.

The Partnership: A Symphony of Innovation

Allmand found that perfect partner in Vanguard. As fellow Briggs & Stratton brands, our engineering teams were already in sync, sharing a deep-rooted foundation of trust and a common drive for innovation. This allowed us to move quickly and collaboratively.

Vanguard delivered the core of Allmand's vision:

A Robust Heartbeat: Our lithium-ion battery system, engineered specifically for the rough-and-tumble rental environment, was built to withstand the toughest challenges.

An Integrated Brain: Crucially, we design and build our batteries and the critical Battery Management System (BMS) together. This in-house integration was a game-changer for Allmand, ensuring the entire power system was perfectly harmonized for peak performance, unwavering reliability, and simplified service.

Our engineers worked side-by-side with Allmand's, seamlessly integrating the Vanguard power system into the new Hybrid LT-Series. The result was a

*Total energy measured using a 0,2C discharge per IEC 61960-3:2017. ¹PER IEC61960 ²Based on nominal temperatures, charge will vary at the extremes.



product that was not just innovative, but ready for the real world from day one.

The Power Core: 14kWh of Rugged Reliability

At the heart of the Hybrid LT-Series are two Vanguard Fi7.0kWh Commercial Battery Packs. This wasn't just any battery solution; it was a powerhouse specifically engineered for the abuse of the rental market. With a combined 14kWh of capacity, these batteries feature a rugged diecast aluminum enclosure design to protect against impact and are built to resist dust and water, ensuring performance in the harshest weather. This is the durable, dependable core that allows the light tower to run silently for hours, job after job.

The Results Unveiled

The Allmand® Hybrid LT-Series, powered by Vanguard, didn't just move the needle – it created a new standard. The results of the partnership were immediate and transformative.

A Story of Radical Efficiency

The hybrid system rewrote the economics of jobsite lighting. Where a traditional tower provided 333 hours of light from 100 gallons of fuel, the Hybrid LT-Series delivered an incredible **853 hours – a 2.5x increase** in efficiency. For rental operators, this meant the time between refueling skyrocketed from a mere 3 days to **30-40 days**.

**2.5X
LONGER
RUNTIME**



Industry-Leading Light Coverage

The Hybrid LT-Series delivers industry-leading light coverage in addition to its quiet, efficient operation. Powered by dual Vanguard batteries, its variable LEDs light up to **47,250 ft²** – far exceeding the 32,400 ft² of competitors like Trime USA. This provides a bright, more expansive work area, adding superior visibility to the tower's unmatched efficiency.

The Sound of New Opportunities

With the engine off, the tower runs in near silence. This unlocked a world of possibilities, making the Hybrid LT-Series the go-to solution for noise-sensitive jobs, from nighttime construction in residential areas to concerts, sporting events, and data centers.

Less Downtime, More Doing

The dramatic reduction in engine use meant fewer service calls and a smaller carbon footprint. Over 6,000 hours of operation, the hybrid tower needs **just four oil changes** compared to six for a conventional unit. Fewer trips for fuel and maintenance means more uptime and a lower total cost of ownership.

The Allmand Hybrid LT-Series is more than a product. It's the story of a shared vision and a partnership that created a brighter, quieter, and more efficient future for an entire industry.

LEARN MORE

about how our passion for power can benefit your equipment and your customers.



Visit us at: www.vanguardpower.com



For more news and updates, follow us on LinkedIn:

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ABOUT BRIGGS & STRATTON

Briggs & Stratton, headquartered in Milwaukee, Wisconsin, provides innovative products and diverse power solutions to help people get work done. Briggs & Stratton is the world's largest producer of engines for lawn and garden, turf care and job site power equipment and is a leading designer, manufacturer and marketer of lithium-ion batteries, standby generators and energy storage systems through its Briggs & Stratton®, Vanguard®, Ferris®, Simplicity®, Snapper®, Billy Goat®, Allmand®, Branco® and Victa® brands. Briggs & Stratton products are designed, manufactured, marketed and serviced in over 100 countries on six continents.

Vanguard helps professionals to get their work done by applying power to their unique commercial applications. For more than 35 years, Vanguard has partnered with customers to conquer challenges and develop innovative products. As Vanguard doesn't simply provide components, it supports customers in applying commercial lithium-ion and petrol power throughout the entire integration process, from development to serial production to after sales and training support. www.vanguardpower.com

ABOUT ALLMAND

Since 1938, Allmand Bros. has been a leading manufacturer of high-performance, towable jobsite equipment. From portable light towers and mobile industrial heaters to generators and air compressors, Allmand products are engineered for maximum reliability, efficiency, and durability in the toughest environments. Serving the construction, mining, oil & gas, and rental markets, Allmand is committed to developing innovative solutions that increase productivity and provide a superior return on investment for customers worldwide. www.allmand.com

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