



# CUTTING-EDGE STANDARDISATION

**Ensuring compatibility was key to the development of Benassi's  
L300E Electric Turf Cutter with the Vanguard™ 48V 1.5kWh\* Swappable Battery.**

Benassi Srl, one of the Italian leaders in agricultural and gardening machinery, has unveiled the L300E Electric Turf Cutter, a prototype that represents a significant step towards standardisation and sustainability in the rental industry. Powered by Briggs & Stratton's innovative Vanguard 48V 1.5kWh\* swappable commercial battery pack (Si1.5), the L300E offers a robust, environmentally friendly solution that supports the shift away from petrol-powered equipment.

Benassi has long been recognised for its commitment to high-quality, reliable products, and its latest collaboration with Briggs & Stratton's commercial brand Vanguard reflects this ethos. The new electric-

powered turf cutter, developed in response to rental customer demand, showcases Benassi's ability to innovate while addressing modern challenges like standardisation, sustainability and cost-efficiency.

Benassi's decision to equip the L300E with Vanguard's Si1.5 swappable battery pack was driven by a clear goal: to help rental businesses streamline their operations. The turf cutter is designed for companies that already use Vanguard battery-powered equipment, offering them the ability to standardise battery packs across their fleet. This system allows rental companies to minimise the quantity of batteries needed, reducing downtime and boosting overall operational efficiency.

\* Total energy measured using a 0.2C discharge per IEC 61960-3:2017



Benassi and Briggs & Stratton have worked together for years, primarily in the realm of petrol engines. However, as the market demands a shift toward greener solutions, this partnership has evolved to meet new challenges. The integration of Vanguard's battery technology into Benassi's turf cutter demonstrates both companies' commitment to a rapid shift in the energy transition while maintaining the performance and reliability that professionals expect.

"The future of energy transition in equipment lies in battery technology," said Roberto Tassinari, President of Benassi Srl. "The expansion of our long-standing partnership with Briggs & Stratton to leverage Vanguard's cutting-edge lithium-ion technology has enabled us to bring a solution that not only meets the needs of the rental market but also supports a sustainable future. Vanguard's game-changing technology is a perfect match for our commitment to delivering reliable, efficient solutions."

The L300E is designed to handle tough turf-cutting tasks with ease, making it ideal for commercial use. Its compact design and easy manoeuvrability make it perfect for tight spaces, while features such as a height-adjustable handlebar with anti-vibration technology ensure user comfort during extended use. Additionally, the L300E boasts an adjustable working depth, a highly durable cutting blade, and operates with zero noise from the battery and zero emissions\*\* thanks to its battery-powered design, ensuring precise, reliable performance on the job.

"Vanguard is proud to support companies like Benassi as they move toward electrification," said Ladislav Poledna, New Business Development Manager at Briggs & Stratton | Vanguard. "Our mission as power agnostics is to provide the tools and technology that get the job done, while promoting sustainability and affordability. The rental market needs durable, environmentally



The L300E prototype at the Rental eSummit 2024

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**THE FUTURE OF ENERGY  
TRANSITION IN EQUIPMENT  
LIES IN BATTERY TECHNOLOGY.  
VANGUARD'S GAME-CHANGING  
TECHNOLOGY IS A PERFECT  
MATCH FOR OUR COMMITMENT  
TO DELIVERING RELIABLE,  
EFFICIENT SOLUTIONS.**

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Roberto Tassinari  
President  
Benassi Srl

\*\* The battery pack is silent, however the application itself may make noise. Zero emissions apply only to the battery pack during operation. \*

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**IT'S THE PERFECT FIT FOR  
RENTAL BUSINESS, LONGING  
FOR ONE BATTERY, FITTING INTO  
MULTIPLE APPLICATIONS  
OF DIFFERENT BRANDS.** ”

Ladislav Poledna  
New Business Development Manager  
Briggs & Stratton | Vanguard

friendly and standardised solutions, and we believe our battery power solutions are at the forefront of that transformation."

The Vanguard swappable battery system allows for quick, efficient battery changes, reducing downtime between uses and enhancing productivity. It's the perfect fit for rental business, longing for one battery, fitting into multiple applications of different brands. Vanguard's commercial-grade batteries also come with an 8-year warranty\*\*\*, ensuring long-term reliability and further lowering operational costs for rental companies.

While the L300E is still in its prototype phase, early results indicate that it will exceed expectations in both performance and operational efficiency. By reducing emissions and fuel costs, the electric turf cutter is an ideal solution for businesses looking to align with sustainability trends without sacrificing power or productivity.



**48V 1.5KWH<sup>1</sup>  
COMMERCIAL BATTERY  
SWAPPABLE BATTERY - Si1.5**

This battery pack offers the ability to swap out between applications on the job site, reducing downtime, and featuring multiple mounting configurations, ensuring flexibility for any situation.

- **Operational Confidence:** Integrated Battery Management System (BMS) constantly monitors and measures the pack's voltage and temperature to ensure safe and efficient operations.
- **Flexibility:** Single CANbus J1939 communication protocol allows OEMs to communicate with the battery's J1939 (automotive standard) CANbus.
- **Increased Uptime:** Up to 1000-cycle life to 80% initial capacity.

<b>NOMINAL VOLTAGE (V):</b>	51,4
<b>NOMINAL CAPACITY<sup>2</sup> (Ah):</b>	28,4
<b>NOMINAL DISCHARGE CURRENT (A):</b>	100
<b>CHARGE TIME TO 100% WITH 1425W CHARGER<sup>3</sup> (MIN):</b>	75
<b>PACK WEIGHT (KG):</b>	11,8

\*\*\* See [www.vanguardpower.com](http://www.vanguardpower.com) for warranty details

<sup>1</sup> Total energy measured using a 0,2C discharge per IEC 61960-3:2017

<sup>2</sup> PER IEC61960

<sup>3</sup> Based on nominal temperatures, charge will vary at the extremes



# CONTACT US NOW

## TO FIND OUT HOW VANGUARD CAN HELP YOU POWER YOUR EQUIPMENT



Contact us via email to: **[vanguardpower.emea@basco.com](mailto:vanguardpower.emea@basco.com)**



Find out more about Vanguard on: **[www.vanguardpower.com](http://www.vanguardpower.com)**



For more news and updates, follow us on LinkedIn:

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### ABOUT BRIGGS & STRATTON | VANGUARD

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](http://www.vanguardpower.com)

### ABOUT BENASSI SRL

The Benassi brand has been present on the market since the late 1950 and is recognized as a leading company in the design and production of small machines for agriculture, gardening, and green maintenance. Today, production includes tillers, rear cultivators, sickle bar mowers, vacuum collectors, transporters, flail mowers, turf cutters, scarifiers, and stump grinders. Benassi products are distributed in over 40 countries, continuing to provide high-quality solutions, adapting to the needs of an ever-evolving agriculture and gardening. For this reason, the Benassi brand is considered an absolutely trusted partner in the sectors in which it operates.

[www.benassi.eu](http://www.benassi.eu)

# VANGUARD

### BRIGGS & STRATTON

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