

# Vanguard® Battery Power:

# The Flexibility You — and Your Equipment — Deserve

Don't settle for a one-size-fits-all battery. Get a flexible solution. Our Power Application Centers can apply a Vanguard Commercial Lithium-Ion Battery Pack to your equipment to create a powerful total solution. With Vanguard, you'll get a combination of benefits you can't find anywhere else.

#### We're Power Application Experts

Regardless of the power source, we'll help you integrate and apply it better.

Integrating a power solution into a piece of equipment requires a flexible approach. Our engineers understand how power needs to be flexibly applied to meet the unique needs of each machine, allowing them to expertly maximize the efficiency and reliability of the power source. We're here to help you find answers to your electrification needs — not to simply sell you a battery.

# A Visionary Approach to Power

Solutions-driven innovation is at the core of what we do.

We developed the new Vanguard commercial battery pack to be a flexible solution that meets the varying demands of a wide range of markets and applications. From early design and prototyping, we leverage our expertise, commercial battery knowledge and resources throughout the development and production process. Whether it's designing, manufacturing, applying or validating new technology — we're a powerful partner with the flexibility to meet your needs.



# A Full Solution From Your Power Partner

It's more than a battery. It's an integrated system.

Vanguard offers a customized lithium-ion battery pack, battery management system and charger that all work seamlessly together.

The Vanguard Advantage

#### **FLEXIBLE POWER**

Modular internal cells can be configured for multiple capacities and voltages. With integrated mounting points, simply combine the battery packs in parallel to meet specific application needs. Whether you're relying on one, two, three or four packs, the result is efficient, high-performance power.



## Your Flexible Solution

Vanguard batteries can be tailored to your specific application.

Modular design, combined with Vanguard's power application expertise, lets us quickly deliver the custom size, capacity and voltage packs you need. Plus, the engineers at our Power Application Centers help ensure that Vanguard battery power will seamlessly integrate into your equipment for maximum productivity.

### Reliable Support, Wherever You Are

Find the support you need any time of day, anywhere in the world.

Our global footprint and industry-leading service and support mean it's easy to find the help you need. With a robust global distribution network and a dedicated team of dealers, we're at the ready to quickly and easily meet your needs.



#### COOPERATIVE POWER

Built with two customizable CANbus networks, the battery packs seamlessly integrate with legacy systems. Reliable system communications come with the added benefit of CANbus diagnostics for easy troubleshooting. Plus, a prequalified and plug-in-ready sharing system can be mounted on- or off-board.

#### **CONFIDENT POWER**

A completely integrated battery management system (BMS) provides safe operations, a balanced and controlled operating environment, and data calculation and reporting. While the BMS protects operations, a durable outer metal shell provides maximum protection for the exterior of the battery.

DISCOVER THE POWER OF THE **MOST FLEXIBLE**, COMPLETE BATTERY SOLUTION ON THE MARKET TODAY.

#### **VANGUARD COMMERCIAL POWER**

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Briggs & Stratton has a policy of continuous product improvement and reserves the right to modify its specifications at any time and without prior notice.

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