

Vanguard™ 7kWh Diecast Commercial Battery (Fi7.0)

The [7kWh* Commercial Battery Pack](#) — available in both long and tall configurations — answers original equipment manufacturers' (OEMs) requests for a more flexible battery solution. The long configuration is ideal for golf and recreation applications while the tall configuration opens up new opportunities for construction, industrial and turf applications.

The pack's Cell Module Assembly (CMA) units are packed and protected in a diecast aluminum casing to provide ultimate durability and maximum protection against extreme temperatures, impact, vibration, moisture and dirt. The battery utilizes advanced [lithium-ion chemistry and technology](#) to ensure reliable performance and features a Battery Management System (BMS) that monitors voltage and temperature to ensure safe and efficient operations.

With a compact footprint, the 7kWh* Commercial Battery delivers more power in a smaller package and can be scaled in parallel with additional Vanguard battery packs to meet larger equipment power needs. The battery can be fully charged in less than eight hours and has a charging temperature range of -20°C to 45°C.

Because it includes the battery, charger and BMS in one complete solution, the 7kWh* Commercial Battery can easily integrate into OEM equipment. The battery also features a dual CANbus communication protocol that allows OEMs to communicate with the battery's J1939 (automotive standard) CANbus and uses the second CANbus to communicate with any existing communication network without having to reprogram a legacy system.

Designed for a life of up to 2,000 cycles with almost no scheduled maintenance needs, and backed by a robust eight-year commercial limited warranty**, the 7kWh* Commercial Battery delivers the reliable, powerful performance OEMs have come to expect from Vanguard. For more information about the 7kWh* Commercial Battery Pack and all Vanguard electrification solutions, [click here](#).

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

***See vanguardpower.com/na/en_us/support/warranty.html for warranty details.*