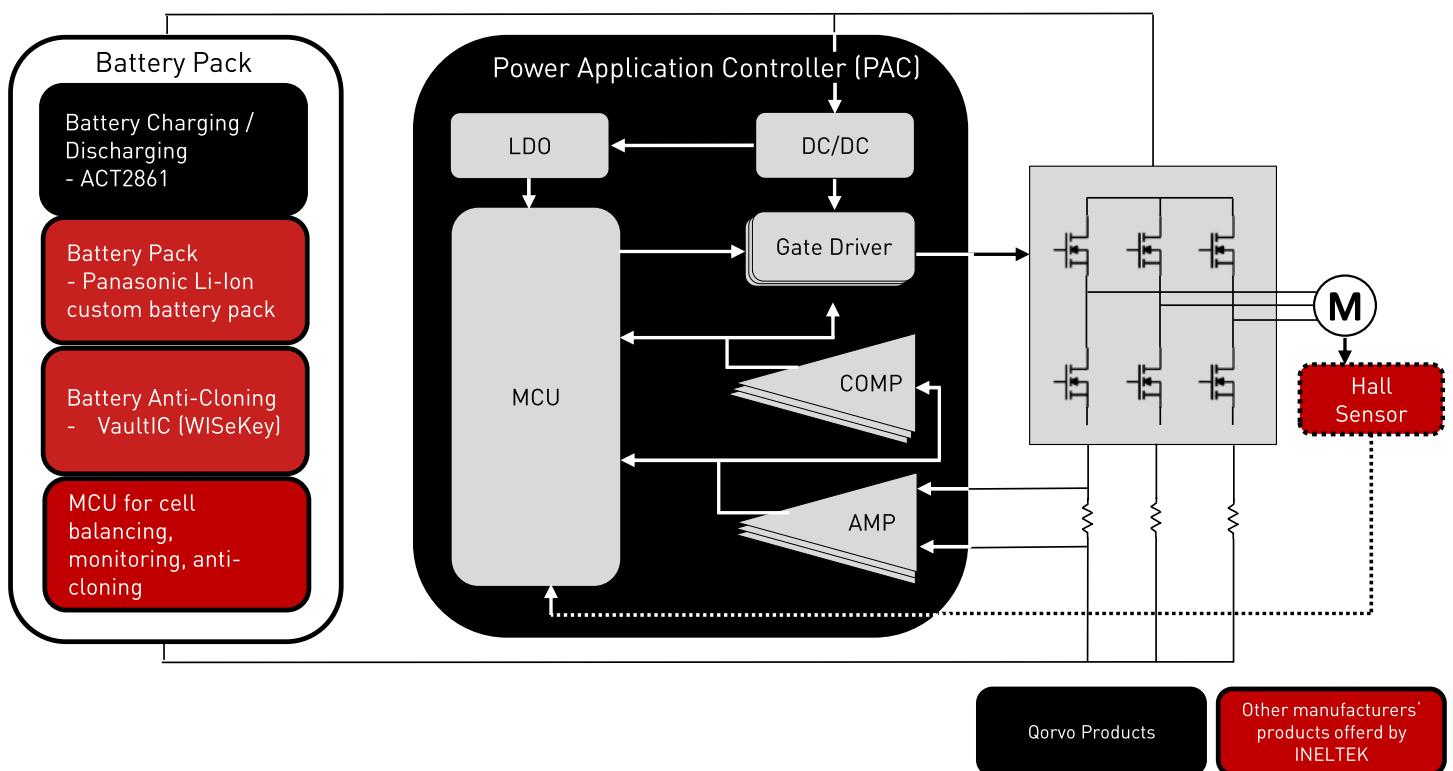


## High integrated Power Tool Solutions with Power Application Controllers

Garden and power tools nowadays are found in nearly every home. Consumers are increasingly demanding that these items deliver more and longer-lasting power in ever smaller, lighter footprints.

Qorvo® is meeting those challenges with the industry's most efficient family of Power Application Controller (PAC) products for brushless DC (BLDC) motor control and drive. This system-on-chip (SoC) platform integrates a programmable MCU, power management, gate drive and signal conditioning in a single, small QFN package.

Combining these features has created the most integrated and compact solution available to designers of BLDC motors.



### Highlights of the PAC platform

- ◆ **44V-600V integrated MCU**, gate drivers and power supply
- ◆ ARM® Cortex®-M0/M4F Versions
- ◆ Ideal for low-voltage power tools and high-voltage garden tools with complex control, monitoring and diagnostic requirements
- ◆ Lowest standby current available
- ◆ SoC approach enables smaller tools, reduces BOM, lowers design costs