

# Batteries With Brains

Smart Battery Solutions designed, built, and shipped directly from our factory in Florida, USA.

Inspired Energy, LLC designs and manufactures smart rechargeable lithium-ion batteries and chargers for equipment manufacturers worldwide.

We specialize in tailoring our level of support to meet your needs.

## Next Generation 21700 Products coming in 2019

Inspired Energy originally released all of the standard battery models in the market today designed around the Lithium Ion 18650 model cells. Introduced during the 1990s-2000, these products have supported our customers for decades in numerous applications. Now with the advent of the new Lithium Ion 21700 cells we are again releasing the next generation of standard batteries for our clients.

The new 3-cell NC4040HD50, 10.8V, 5.0Ah, 54Wh (8A) and 4-cell ND4054HD50, 14.4V, 5.0Ah, 72Wh (8A) have increased runtime capacity of 47% over the previous 3.4Ah products. The continued demand for longer runtime from a high-quality USA supplied battery makes these products the front runner for the new medical, robotic, military and other growing markets supported by Inspired Energy.

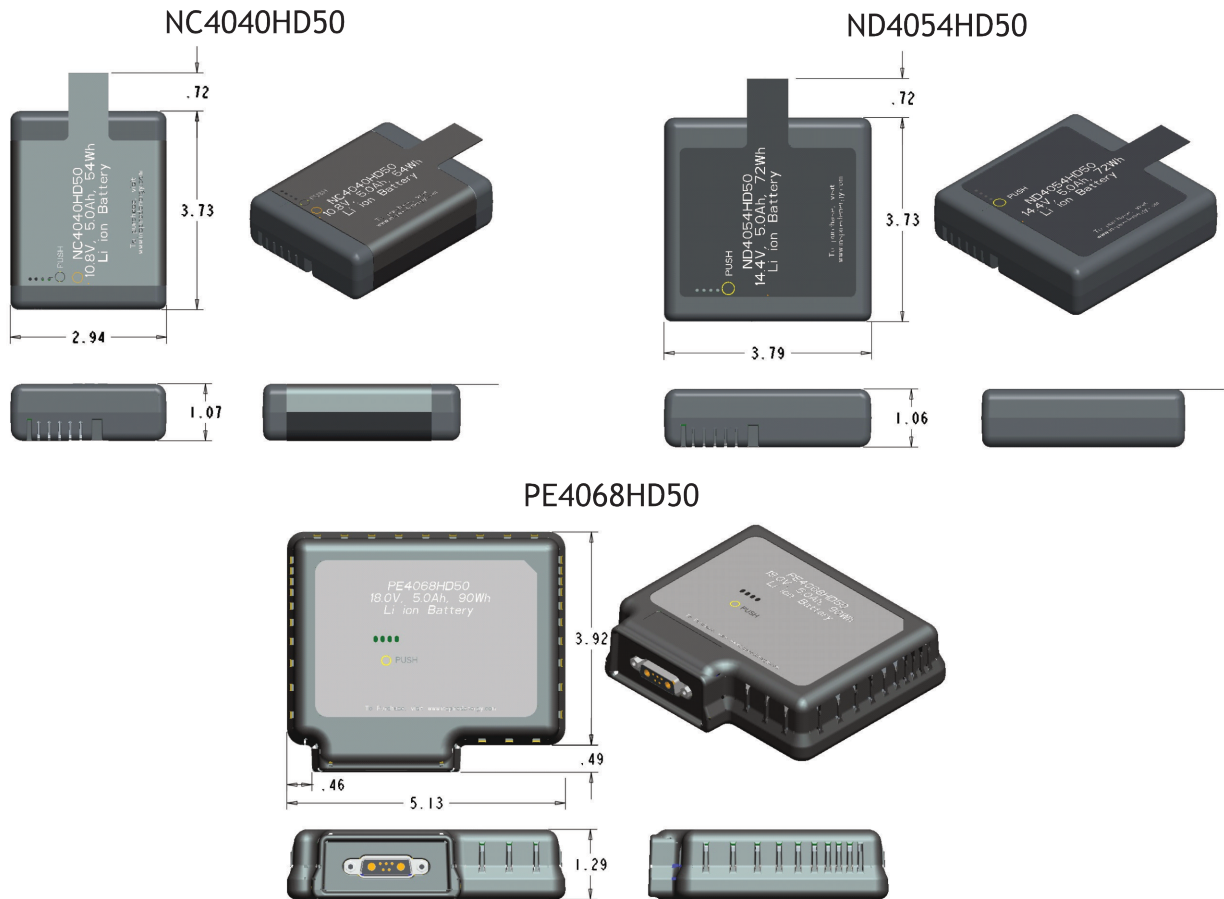


Other demand for battery options with higher operating voltage has led us to create the new product PE4068HD50, 18V, 5.0Ah, 90Wh (8A) with an output connector capable of handling output currents up to 40A.

Full enclosure, UL rated 94V-0 materials throughout the design phase ensure compliance to typical standards, IEC62133, UL62133 and National deviations as required.

All products continue to be built in our Florida factory using the latest in electronic technology. Fully integrated impedance tracking fuel gauge, full protection with secondary logic protection, and SMBus communications are standard. Custom features including labeling and firmware options are available upon request

## Mechanical design release details



## New Generation of Desktop Chargers

The new expanded line of 21700 format batteries has required a change to Inspired Energy's line of standard desktop chargers. The standard CH4000 & CH5000 series chargers have been updated to accommodate the larger, higher-voltage range battery formats but will also be backward compatible with the installed base of N-series standard batteries. Standard with a 36VDC power supply chargers will be available in the familiar single- and dual-bay battery format.

Come visit our Sales Team for further details and availability at  
MDM Minneapolis, October 23rd & 24th 2019 Booth #2438

