

## A New Factory for 2017:

### Inspired Energy's New Factory in Florida USA:

Built directly onto the end of our existing factory, the new facility doubles our manufacturing, offices and warehouse area. Some interior work is still in progress but the new factory is already up & running & contributing to our business.



The existing Inspired Energy factory (shown to the right of the picture) was completed in January 2005, and was designed specifically with the intent that a second factory could be built on the adjacent land. In late 2014 we began designing our new factory by taking input from our employees so that the new construction would address the needs of all our differing departments: R&D, administration, shop-floor, engineering, and storage. The new two-story building features offices at the front, with high-bay warehouse and factory floor behind.

### Conflict Minerals

Conflict minerals are extracted in a conflict zone and sold to fund the fighting. In the United States, the 2010 Dodd-Frank Wall Street Reform and Consumer Protection Act requires companies listed on the stock exchange to audit their supply chains and report on conflict minerals usage in an effort to eliminate this practice. In the Democratic Republic of Congo (DRC), various rebel groups are profiting from the sale of 3TG (Tungsten, Tin, Tantalum & Gold) & using the profits to fund wars in the region.

The most common conflict minerals are cassiterite (for tin), wolframite (for tungsten), coltan (for tantalum), and gold ore.

In order to eliminate conflict minerals from our products, Inspired Energy is working to identify and verify all sources of 3TG in our supply chain, (all the way back to the smelters of these minerals). We make our Conflict Minerals Reporting Template (CMRT) available for customers to download from the home page on our website. A new update is scheduled for mid 2017.



## New Products



### 98Wh Power Holster with USB Charge-Port

The new Power Holster from Inspired Energy works with our 8-cell, 98Wh NH205x range of battery packs. & packs the following features into its compact frame:

- ⚡ Translucent Polycarbonate case
- ⚡ Onboard charger available with worldwide AC power & vehicle charging options
- ⚡ Regulated 12V, 60W output available
- ⚡ USB charge port available
- ⚡ Battery fuel gauge remains visible at all times
- ⚡ Spring steel belt loop
- ⚡ Splash proof case available
- ⚡ Coil or straight cable options
- ⚡ SMBus output available



## “XX3” Products for Low Temperature & High Current

As Li Ion cell technology continues to improve, the latest advances are in high-discharge current cells. These cells have been used in the new Li Ion power tools that are now readily available, and Inspired Energy is now translating these new benefits to our standard battery models.

The first models to benefit from these new cells were our “P” Series, high power-density products:

- ⚡ 14.4V PH3054HD25 can deliver a 20A, 200W continuous discharge
- ⚡ 28.8V PH3059HD25 is capable of a 12A, 240W continuous discharge

Now these new cells are also deployed in our “N” series product range. This provides the ability for small battery packs to deliver high currents & it opens up a whole new range of applications. The low internal cell resistance also gives excellent low temperature performance with operation possible down to -30° Celcius and below.

For example, a small 2-cell battery can be embedded within a portable electronic device to provide hold-up power when the main battery is removed & replaced.

It also enables small batteries to deliver high pulse currents for radio transmission & for DC motors etc.



	NB3037HD25	NC3040HD25	ND3034HD25	ND3054HD25	Ni3020HD25
No. of Cells	2-cell (2S1P)	3-cell (3S1P)	4-cell (4S1P)	4-cell (4S1P)	9-cell (3S3P)
Voltage	7.2V	10.8V	14.4V	14.4V	10.8V
Capacity	2.5Ah	2.5Ah	2.5Ah	2.5Ah	7.5Ah
Energy	18Wh	27Wh	36Wh	36Wh	81Wh
Max Current	8A	8A	10A	10A	12A
Max Power	40W	60W	100W	100W	90W

Historically Li Ion cells have been either high capacity or high current. These new cells provide the benefits of both!  
Please contact us for more details.