

**BATTERIES  
WITH  
BRAINS**  
and  
**Bluetooth®**



**Our battery holster gets upgraded with new features...**



**MCLB05-2BV01A, E & U:**

**98Wh Power Holster with a USB Charge-Port and Bluetooth® Wireless Communications for fuel gauging on your phone, tablet or computer.**

The new power holster from Inspired Energy works with our 8-cell, 98Wh NH2054 & NH2057 battery packs, & includes the following features:

- 💡 Fuel Gauging mobile app displays real-time results from individual batteries or from a battery array
- 💡 Onboard charger with worldwide AC power & vehicle charging options
- 💡 Battery voltage output
- 💡 USB charge port with auto-detect: 5V, 2.1A
- 💡 Battery fuel gauge remains visible at all times
- 💡 Spring steel belt loop provides power on the go
- 💡 Splash proof case available
- 💡 Locking output connector allows for multiple cable options
- 💡 Battery monitoring, including fuel and power gauge via Phone & Tablet
- 💡 Ideal Diode enables multiple power holsters to be connected in parallel to create battery arrays beyond 100Wh

Production Launch Q2 2018



ieBattGauge





# Rugged Batteries: IP65 3 m drop -30 °C discharge

## Ingress Protection to IP65:

- 💡 **Dust Tight:** Complete protection against ingress of dust
- 💡 **Showerproof:** Resists water sprayed from any direction with no harmful effects.
- 💡 **IP67:** upgrade due Q3 2018

**Drop Test:** 3m / 10 ft on any face. No harmful effects

**Discharge down to -30 °C:** (Application testing required)



The following batteries have these features:

<u>2-Cell</u>	<u>4-Cell</u>	
PB3037QE30	PD3074QE30	PD3077QE30

Production Release: Q2 2018



## “QE” Products with UL listing:

A select group of our products have been chosen for compliance to UL62133 and will bear the UL Listed symbol. The batteries will come with a IECCE CB-Scheme certificate and will also be compliant to the USA and Canadian regulations. These products are identified by their “QE” part number suffix. The batteries carrying this additional certification are shown below.



<u>2-Cell</u>	<u>3-Cell</u>	<u>4-Cell</u>	<u>6-Cell</u>	<u>8-Cell</u>	<u>9-Cell</u>	<u>12-Cell</u>
NB2037QE34 PB3037QE30	NC2040QE34	ND2054QE34 ND2057QE34 PD3074QE30 PD3077QE30	NF2040QE34	NH2054QE34 NH2057QE34 RH2024QE34	Ni3020QE30 Ni3040QE30	NL2024QE22



**QK490:  
490Wh  
Battery Case**

Li Ion batteries above 100Wh present significant difficulties in shipping. Also, larger batteries benefit from using a modular approach rather than creating a single huge battery. The ideal way is to use an array of sub-100Wh packs. The QK490 uses 5 MCLB05-2BV01 power holsters, + NH2054 or NH2057 batteries mounted onto a 1U standard rack and connected to an output bus to create this modular battery which delivers up to 490Wh of energy in a slim, briefcase.



- 💡 Output is via six fused 4-pin XLR sockets and/or two unfused bolts.
  - 💡 The smart battery data in each battery pack is communicated via Bluetooth Wireless Communication to a iOS or Android app. Each battery can be viewed individually, or an overall fuel and power gauge for the whole array can be viewed.
  - 💡 The power gauge shows the user how close they are to the battery safety shutdown.
  - 💡 Each battery is individually charged by its holster and charging power comes from a 160W power supply located in the case.
  - 💡 To the outside world, the battery array operates like a single extremely high energy battery pack. Internally the battery array benefits from the lower costs of using smaller modules which are non-regulated for shipping purposes and can be shipped as non-hazardous goods.
  - 💡 The architecture is modular and can be scaled-up by linking racks together using the bus connections.
- Production release planned Q2 2018.







# PH1000 A new desktop charger for “P” series battery packs

Answering the demand for an improved desktop charger, the PH1000 fits all our high-power, P-series battery packs.

It uses a 36V, 60W AC:DC power supply and is available with a variety of AC cables for global operation:

- 💡 PH1000A for use in America
- 💡 PH1000E for use in Europe
- 💡 PH1000U for use in the United Kingdom
- 💡 PH1000X supplied without an AC cable for kitting at your location.



The PH1000 desktop charger also includes fuel gauge calibration to ensure that the battery fuel gauge retains its accuracy throughout the life of the battery.



Compatible with ALL P-Series battery packs