

# AC 'EAZY' POWERBELT

J&A BATTERY POWERED AC YOKE



## BALANCED by Practicality & Weight

Utilizing the industry-leading JAYSON & Jay electromagnetic AC Yokes as the foundation, J&A adapted the requirements of Magnetic Particle Inspection (MPI) to develop a by-product that enables users the power of AC inspection more aspects than previously possible.

Surrendering an obligation or using DC yokes as a recourse, J&A looked for an alternative way to maintain the well-proven advantages of "skin effect" inspection created by AC yokes.

A balance introduced to the market by using lightweight AC Yoke, powered by a lightweight battery on a belt.

## Battery Powered AC Yoke



The result came to be, 12V DC to 110AC conversion while achieving practicality.

### Key Features

Weight (including Yoke)	7.5 Kg
Output	110V @ 50hZ
Battery Charge (full)	Typical 8 hrs Shifts
Usage	4-6 hours

### Handheld Portable AC Electromagnet for MPI

Ideal for site work, remote inspections and rope access where a mains supply might be impractical or hard to come by.'

**JAY-PAC** includes 16Ah battery with charger, wave form generator, aerosol holders, yoke carry strap, heavy duty belt, shoulder strap, a choice of yoke (JAY, JAYSON or JAYMI) and a carry case for the kit with foam inserts.

Wave form generator produces a stable supply that closely mimics a normal mains AC supply as opposed to using pulsed DC which generally gives a lower level of inspection clarity.



The 16Ah LiFePO4 battery included in the **JAY-PAC** holds enough charge for performing a typical 8 hour inspection shift while being one third of the weight of a traditional lead acid battery

## Battery



Battery pack features a fuel gauge function so operators can check the remaining charge left in the battery with a single press of a button without having to disconnect the battery or removing it from its pouch.

The unit is completely sealed and is waterproof to IP64 making it suitable for offshore applications too. Additional safety features include overcharge, thermal, over-current and short circuit protection with the battery pack conforming to standard UN 38.3 – The ONLY relevant standard for batteries of this type.

### For customers with existing mains powered yokes the

**AC 'EAZY' Powerbelt** can be supplied by itself (without a yoke) and with a 110V female adaptor upon request when ordering - The **AC 'EAZY' Powerbelt** will power most other brands of yoke with similar current requirements to our own.

### Standard Delivery:

AC 'EAZY' Powerbelt Includes

- 1 x Wave form generator - Converts 12 DC to 110V AC.
- 1 x 16Ah Lithium battery.
- 1 x 4A battery charger.
- 1 x Leather belt- 2" Thick.
- 1 x Inverter-battery double pouch.
- 1 x Yoke holder - Velcro strap for quick use. 2 x Aerosol holders.
- 1 x Shoulder strap - Includes 2 eyelets.
- 1 x Durable carry case with foam inserts

