



# Ex Re-Chargeable Battery Enclosures



## Overview:

The JCE Group re-chargeable battery enclosures range from 5Ah up to 2,037Ah and are intended for use in areas made potentially hazardous by the presence of flammable liquids, gases, vapours or dusts (Zone 1, Zone 2, Zone 21 and Zone 22).

A battery enclosure is used to provide a supply for equipment where conventional supply sources fail or are not available.

The batteries of the enclosures provide high capacities for many different applications. This range has been successfully in use for over twenty years in many installations worldwide. The success of our battery enclosures comes from the superior cell technology, available in a wide range of models to provide a solution for every power need.

Traditionally, batteries that are supplied are not to be charged in hazardous areas, and if you need to recharge the batteries this must be carried out in a non-hazardous area.

However, in combination with JCE's battery chargers and battery protection circuit systems, batteries can be re-charged within a hazardous area.

## Characteristics:

Battery Types: Dryfit VRLA (Lead Acid), NiCd (Nickel-Cadium), LiFePO4 (Lithium-Iron)

Ambient Temperature: -20°C up to +55°C

Ingress Protection (IP Rating): Up to IP66

Voltage: 12V to 48V

Continuous Current Rating: Up to 455A

Design Life: Up to 15 years

Certification: ATEX, IECEx and UKEX (UKCA)

Body and Cover: 316L Stainless Steel / Marine Grade Aluminium Alloy

Types of Ex Protection: Ex d, Ex e and Ex t

Group: IIB / IIC / IIIC

Temperature Class: T6, T5, T4

Dimensions and Weights: customised to clients requirements

**Certification:**



**Typical Applications for JCE Group Ex Re-chargeable Battery Enclosures**

- UPS Systems / Backup Power
- Battery Power Equipment (Monitoring equipment, sensors etc.)
- Engine Starting
- Off-Grid Solar / Wind / Hydrogen Power Systems

For further information regarding our products, services and solutions please contact us on the below information:



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