



Ex Battery Assembly Type 5777-EXBA

Reference Drawing No: 5777-001



The JCE Group battery assembly 5777-EXBA, incorporating batteries and battery isolator, is intended for use in areas made potentially hazardous by the presence of flammable liquids, gases or vapours (Zone 1 / Zone 2).

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


A type 5777-EXBA battery provides reliable energy for many different applications. This product has been successfully in use for over twenty years in many installations worldwide. The success of 5777-EXBA comes from the superior dryfit technology, providing a solution for every power need.

The 5777-EXBA can be combined with JCE's solar panels and solar charge controllers to provide a standalone off-grid power solution suitable for use within hazardous areas.

Materials and Finish

- Body & Cover -** 316L stainless steel (Battery Enclosure) & Copper free aluminium alloy LM25 (BS EN 1706) with less than 0.2% copper content (Isolator).
- Cover Fixings-** 316L stainless steel
- Finish -** Brushed stainless steel (Battery Enclosure) & Chromate primed and polyester powder coated (Isolator).
- Earthing -** Enclosures are supplied with a M6 / M8 stainless steel external earth stud as standard.
- Electrical Connections -** Via M20 Entries on Ex d Isolator Enclosure

Ratings and Approvals

- Categories -**  II 2 G
- Temperature -** -20°C to +50°C
- Weight-** 120Kgs

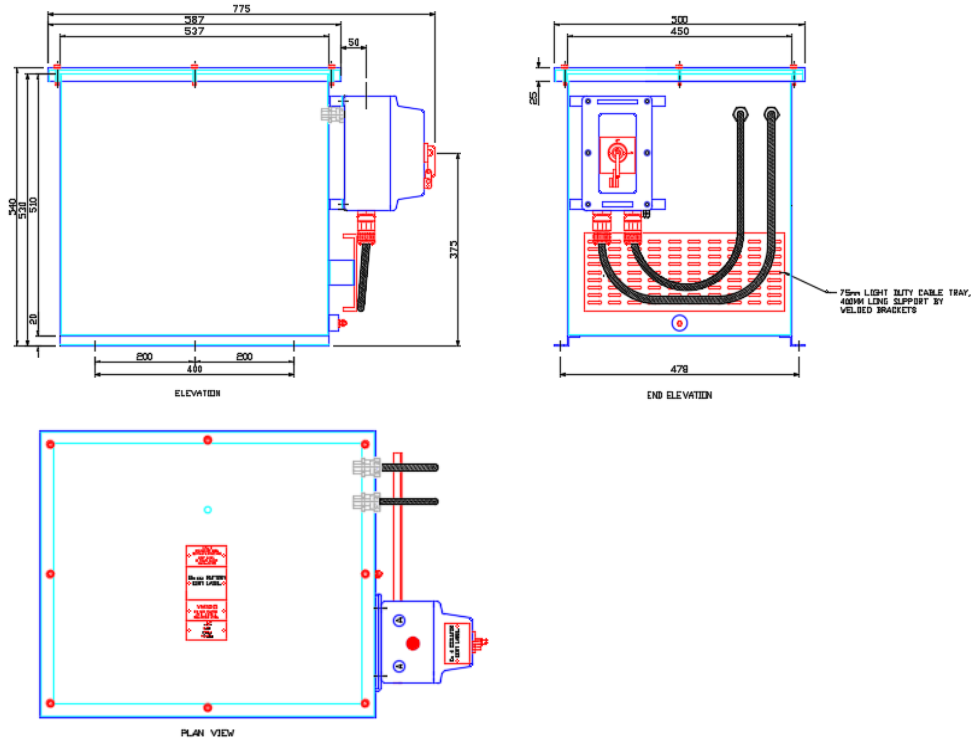
Individual Item Ratings

- BC2A Battery Enclosure**
Code - Ex eb IIC T5 Gb
Protection Grade - IP23 (SONNENSCHHEIN A512/120AH Battery terminals IP66)
- Ex d Battery Isolator Type 5769-EXBI (EJBC15)**
Code - Ex d IIB+H2 T6 Gb
Protection Grade - IP66

Certification:



Dimensions



Specifications

CELL TYPE: VRLA	BATTERY ISOLATOR MPCB: 16A
NOMINAL VOLTAGE: 24V	TEMPERATURE SENSOR: RTD
MIN DISCHARGE VOLTAGE: 20V	CABLE ENTRIES: 3 x M20
MAX CHARGE VOLTAGE ¹⁾ : 27.6V	EARTH BONDING POINT: M8
BATTERY: CAPACITY C ₂₀ : 120Ah	

1) For temperatures above +35°C, maximum charge voltage to be reduced by 0.06 V/°C

Typical features - Pad lockable Isolator
Drainage hole
Encapsulated terminations

Battery - Dryfit gel - VRLA
Design life 6-9 years
General purpose according to Eurobat classification

For assembly, model and manufacturers part numbers, please refer to equipment classification sheet (doc no. 0340RP-133532-E27-0001)



JCE (Europe) Ltd, East Way, Lee Mill Industrial Estate, Ivybridge, PL21 9LL
Tel: +44 (0) 1752 690530
E-Mail: info@jcegroup.com

JCE Group (UK) Ltd, Blackburn Business Park, Aberdeen, AB21 0PS
Tel: +44 (0) 1224 798600
E-Mail: info@jcegroup.com

- Details of certification and conformity can be provided on request.
- All products sold subject to our terms and conditions of business.
- Health and Safety at Work Act 1974. In the UK all equipment must be installed and disposed of (as required) within the legislative requirements of the Health & Safety at Work Act 1974.
- We reserve the right to make alterations to the technical data dimensions, weights, designs and product available without notice.
- The illustrations should not be considered legally binding.