

# OE-ZVC Outdoor MCC and Distribution Centre

OE-ZVC is a prefabricated outdoor motor control and distribution centre with type-tested internal equipment. The OE-ZVC is constructed keeping in mind high levels of operator safety and harsh operating environments. Designed in accordance with IEC 62271-202, 62271-200 and 60470 standards.



## The Design

All components are housed in an outdoor enclosure, which protects the equipment against environmental hazards and unauthorised access. The enclosed station can be operated from the inside (Walk-in type) or from the outside (Non Walk-in type). The electrical equipment is cooled either by natural ventilation through openings in the enclosure, forced fan ventilation or air-conditioning unit.

## Operator Safety

All live parts in the OE-ZVC range are protected against unintentional contact by means of padlockable doors. Cable connections and fuses in the medium voltage switchgear are also protected against unintentional contact by integrated interlocks. The enclosure is fully earthed thus providing a high level of operator safety.

## Environmental Protection

The station is designed to be resistant to moisture, condensation and pollutants. Material and equipment capable of withstanding harsh climatic and operational conditions are utilised. The standard degree of protection is IP54. If required IP65 can be offered.

## Our Offer

Includes the following:

1. Preparation of mechanical and electrical design
2. Selection of equipment
3. Project management
4. Manufacturing and delivery of station

## Benefits

1. Delivered installed and pre-commissioned
2. Reduction of transportation and building costs
3. Compact solution thus smaller land area
4. Complete MCC stations range from 1kV to 15kV
5. Minimal construction works on site

## Quality

At ABB Australia, quality is an integral element of our corporate culture, applied with absolute precision. Our advanced quality management systems span the entire business process, from response to initial customer enquiries to final delivery, commissioning and after-sales service. Defining quality at ABB is simple – only the best will do.

## The Manufacturing Facility

ABB Australia has a dedicated assembly facility adjacent to its medium voltage manufacturing production line in Moorebank Sydney. This facility has further enhanced ABB's ability to control and manage the integration of equipment into OE-ZVC.

## Construction Data

Outdoor MCC, PDC or Kiosk Substation	OE-ZVC
Location of manufacture	Australia
Construction material	Mild steel. Option: Stainless, carbon steel, galvanised
Door – front	Padlockable handle with 3 points locking mechanism
Covers – Side and rear	Standard bolted. Option: lift off handles or doors
Ceiling and floor	Yes
Roof	Yes
Base	Plinth 100H mm. Option: frame, “C” channel, skid
Ventilation	Vent cover, baffle, mesh, breather, drain
Arc blast gas venting	On request. Option: pressure relief system
Lifting facilities	Base plinth $\Phi$ 50mm holes. Option: top lifting eyes
Access to enclosure interior	Unimpeded removable mullions at the doors
Cable Entry / Exit	Bottom front. Option: bottom rear, top rear
Degree of Protection	IP54 (standard). Option: up to IP65



Outdoor Motor Control Centre



Outdoor Switchboard



Outdoor Metering Cubicle



Outdoor Mining Skid

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The data and illustrations are not binding. We reserve the right to make changes in the course of technical development of the product.

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