

ELECTRICAL SYSTEMS

MAIN DISTRIBUTION BOARDS (MDB)



GENERAL DESCRIPTION

Main Distribution Boards (MDB) by **Basiia Contracting** are a panel or enclosure that houses the fuses, circuit breakers and ground leakage protection units where the electrical energy is used to distribute electrical power to numerous individual circuits or consumer points is taken in from the transformer or an upstream panel. It typically has a single or multiple incoming power source and includes main circuit breakers, residual current or earth leakage protection devices. It is comprised of a free-standing enclosure, a bus bar system, MCCB's, metering, supporting equipments and appropriate current transformers. Panels are then assembled in a systematic manner such as incoming and outgoing section. Our main distribution boards are used to distribute and control the power supply in large buildings such as shopping malls, hospitals, universities, Factories, and hotels.

The main distribution boards are generally installed after the main power source (eg. transformers or generators) and used to divide the power feed into subsidiary outgoing feeders. ATS function can be added as per customer requirements which can automatically transfers the power supply from its primary source to a backup source when it senses a failure or outage in the primary source. Our Distribution boards make an essential part of any circuitry in your homes, offices or any other place. They serve an important purpose and cannot be ignored at any cost. One of the most important devices, they make sure that the current is properly distributed to all the devices allowing proper functioning. This also makes sure that none of the devices suffer from the effects of over currents or short circuits.



MAIN DISTRIBUTION BOARDS DESIGN

The options offered by **Basiia Contracting** distribution cabinets are versatile enough to meet the needs of any construction site. The wall-mounted, free standing and modular cabinets meet the demands found in domestic, commercial and industrial buildings. The predominantly used material is sheet steel. Our Main Distribution Boards are designed for an easy assembling using 3 basic elements: back plate, sides and top and base panels or top panel and plinth. The vertical and horizontal combination of elements makes it possible to build “tailor made” enclosures for most requirements and customize projects. Thanks to slim packaging, storage and transport are optimized.



WHY CHOOSE BASIIA CONTRACTING MAIN DISTRIBUTION BOARDS (MDB)?

- Fully type tested assemblies as per IEC 61439-1
- Rated up to 4000A
- Rated operating voltage up to 690V
- Manufactured in Form 2, Form 3 & Form 4 construction
- Type tested for 65kA/3 sec, 50kA/3 sec
- Top and bottom cable entry
- Panels for front or rear access to suit any application
- Protection class IP 42 to IP 54
- Free standard Floor mounting system
- Maximum safety & reliability
- Custom designed according to client's requirements

