

ELECTRICAL SYSTEMS

SUB MAIN DISTRIBUTION BOARDS (SMDB)



GENERAL DESCRIPTION

The MDB feeds Sub Main Distribution Boards (SMDBs) which are installed midway through the power distribution system at a point where the large distribution cable terminates and several smaller sub-circuits begin. These switchboards are larger than a final distribution board circuit although they have similar construction process. 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 Sub Main Distribution Boards are generally installed after the Main Distribution Boards 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 SMDBs 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.



SUB MAIN DISTRIBUTION BOARDS (SMDB) DESIGN

The options offered by **Basiia Contracting** Sub Main Distribution Boards (SMDBs) 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. 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 SUB MAIN DISTRIBUTION BOARDS (SMDB)?

- Fully type tested assemblies as per IEC 61439-1
- Rated up to 1250A
- Rated operating voltage up to 690V
- Manufactured in Form 2 & Form 4 construction
- Type tested for 50kA/1 sec
- Ample cabling space for easy connections
- Top and bottom cable entry
- Panels for front or rear access to suit the application
- Index of protection : IP 31 & IP 54
- Wall mounting or free standing to suit the application

