



INTEGRATED TECHNOLOGY SDN BHD

**MECTRID INTEGRATED TECHNOLOGY SDN.  
BHD.**

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**Part Number: MITSB\_MSB**  
**Main Switch Board (MSB)**

MECTRID is experienced in design, manufacture and apply turnkey LV MSB (Low Voltage Main Switchboard). MSB is an assembly of distribution panels, each of which contains switches and breakers that allow electricity to be redirected to appropriate loads.

The role of MSB is to divide the main current provided to the switchboard into smaller loads for further distribution and to provide switching, over current protection and metering for these various loads.

**Technical Specification**

Rated Operating Voltage	: Ue 690VAC 50Hz
Rated Current	: Ie 500 - 6000A
Rated impulse withstand voltage	: Uimp 6000V DC
Rated insulation voltage	: Ui 1000V AC
Standards Conformance	: IEC 60439-1, BSEN 60439-1, AS 3439.1, IEC 60529, IEC 61641, IEC-61439 : 2009
Rated short circuit withstand	: Icw 80kA rms for 3 s Ipk 176 kA Icw 80kA 1s Ipk 176kA
Forms of internal separation	: 1, 2a, 2b, 3a, 3b, 4a, 4b
Busbar system	
* Material	: Copper, Oxygen-free high conductivity
* Surface treatment	: Tin-plated or PVC heat-shrink sleeve
* Support material	: Fiberglass reinforced polyester
Cable Entry	: Top and Bottom entry
Zone Location	: Indoor
Enclosure mounting	: Wall-mounted or free-standing
Enclosure Material	: Mild steel, electro-galvanized, or stainless steel
Standard Color	: Grey, Surface finish: Dip coat-primed, powder-coated in textured RAL 7035
Ingress Protection (IP)	: IP20 - 42
Approval	: Energy Commission (Suruhanjaya Tenaga)
Options	: Automatic Mains Failure (AMF), Synchronizing Panel for Standby Generators

Application - LV MSB for commercial and industrial applications

