

NCE LV Switchboard **Technical Specification**

- ◆ Manufacturer NCE - National Concord Engineering
- ◆ Designation LVB for LV Switchboard
MCC for Motor Control Center
LMCP for Local Motor Control Panel
- ◆ International Standard ASTA Type Test to **IEC 60439-1**
Arc Fault Test to **AS3439.1**, Appendix EE
- ◆ Rated Insulation Voltage for Main Busbar 1000 V
- ◆ Rated Operational Voltage 415V \ 380V
- ◆ Rated Impulse Withstand Voltage 3.5kV for 1 Minute
- ◆ Rated Current Up to 6300A
- ◆ Short Circuit Withstand Strength 80kA for 2500A to 3200A
50kA 3 Sec. for 1600A or Above Busbar
50kA 1 Sec. for 1250A or Below Busbar
- ◆ Degree of Protection IP31 \ IP42 (Standard Offer)
IP 44 (On request, with Type Tested Certificate)
- ◆ Enclosure Framework 2mm Electro-galvanized Sheet Steel Modular Structure
- ◆ Coating Epoxy Powder Coating (Thickness >= 50 Micron)
- ◆ Standard Color RAL 7032 Light Grey
- ◆ Busbar Support Non-hygroscopic GRP
- ◆ Copper Busbar Tinned Copper Busbar to BS1432
- ◆ Segregation Form 4 (LV Switchboards \ MCC)
Form 3 (LMCP)
- ◆ Internal Partition Plate Aluzinc (Zintec) Sheet Metal
- ◆ Cable Entry Rear Access, Top or Bottom
Front Access (On request)
- ◆ Services Conditions Ambient Temperature up to 40°C
Relative Humidity up to 100%
Altitude up to 2000m
Environment up to Pollution Degree 3