



# POWER ENERGY SWITCHGEAR L.L.C.

An ISO Certified  
Switchgear Company



Manufacture of Low Voltage Switchgear Panel Boards Up to 4000A  
and Trading of Electrical Components, Cables & Accessories



## INTRODUCTION

Power energy switchgear, a well established Low Voltage switchgear manufacturing concern in Dubai, established in 2009. Since It's establishment in 2009, the company has provided locally manufactured LV switchgear to turnkey electrical contractors and other local authorities like ADDC, DEWA, SEWA, FEWA, CMW throughout the history, Power Energy switchgear L.L.C. have been in partnership with major leading European manufacturers, providing locally assembled switchgear meeting the technical specifications required by international standards and quality standards required by the associated European partner.

## SWITCHGEAR AND CONTROLGEAR PRODUCTS :

Low voltage panels up to 4000 A (Form 2,3&4)

Main Distribution Boards (MDB)

Sub Main Distribution Boards (SMDB)

Final Distribution Boards (FDB)

Motor Control Center (MCC)

Pump control panels

HVAC control panels

ATS panels

Detuned capacitor banks

Synchronizing panels

Mobilization panel / Sockets panels

Relay and PLC Panels.

Isolators, switch disconnectors



We use all kind of brands like ABB, Schneider, Siemens, Legrand, Hager, etc. As per the requirement of the clients. We are committed and continue to strengthen partnership with our customers & suppliers in an environment of trust reliability. With customer concern in view we will maintain the process of continuous improvement in different functional areas of our organization by acquiring the best resource available along with professional training for our staff

**We are the official distributors for CRAIG & DERRICOTT - UK Isolators / Products in Dubai.**





## PRODUCTS DESIGNED AND ASSEMBLED

LV Distribution Boards & Motor Control Centres

From 2,3,4 Constructions Conforming to

IEC 60439-1, BS EN 60439-1, EN 60439-1

Degree of Protection upto IP55 as per IEC 60529

Rated Operational Voltage - 415 V

Rated Insulation Voltage - 1000 V

Rated Frequency - 50 HZ

Rated Current - upto 3200 AMPS

Short time withstand current - upto 50 KA rms/3s

Peak withstand current - 105 KA



## PARTITIONS

### FORM 2

Horizontal and Vertical bus bars are totally separated from the functional units and enclosed in a separate metallic compartments

### FORM 3

As Form 2 with horizontal barriers provided to separate the functional units from one another

### FORM 4

As Form 3 with outgoing terminal separated from each other and total compartmentalization of individually mounted devices

## ACCESS

Front or rear access as per the requirement Individual rear cable compartment for all functional units for Form 4 Type 6 construction.

## SUB MAIN DISTRIBUTION BOARDS

- ◆ It will be a floor mounting / wall mounting as required with front access and suitable for bottom / top entry of cables.
- ◆ All doors and mounting plates can be effectively connected to the earth bar by means of flexible wire and is uniquely designed to have a continuous current rating & enough short circuit ratings.
- ◆ Panel is front access type for the trouble - free access to all the components and also for the purpose of cable termination.
- ◆ The enclosure construction will integrate a natural ventilation system aimed at regulating the internal temperature based on the actual capacities of components..

## TECHNICAL DETAILS

Standards	:	IEC 439 - 1, BS 5486 - PART - 1
Related Operational Voltage	:	Ue - 660 V
Incoming Devices	:	ACBs up to 2500 A
Out Going Devices	:	ACBs up to 1600 A
Ambient temperature	:	50 Degree C
Bus bar system / Material	:	HCHD Copper (Tin plated)
Bus bar ratings	:	100 A - 2500 A



## OFFICE & WORK SHOP

We have 6000 sq ft work shop based in Al Qusais Industrial Area Dubai with qualified Technicians and office with qualified engineers in sales and design, using latest CAD Software for quality drawings to give you complete engineering drawings. We have latest bus bar cutting bending - punching machines in our work shop to make bus bars in smooth finish.

HV kit (2.5/5 KV) and megger (1KV) testing instruments with validated calibration certificates for bus bars high voltage and insulation tests.



# POWER ENERGY SWITCHGEAR L.L.C.

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# POWER ENERGY SWITCHGEAR TRADING L.L.C.

## GENERAL ORGANISATION CHART.

