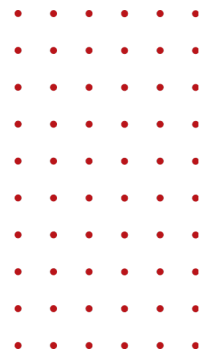
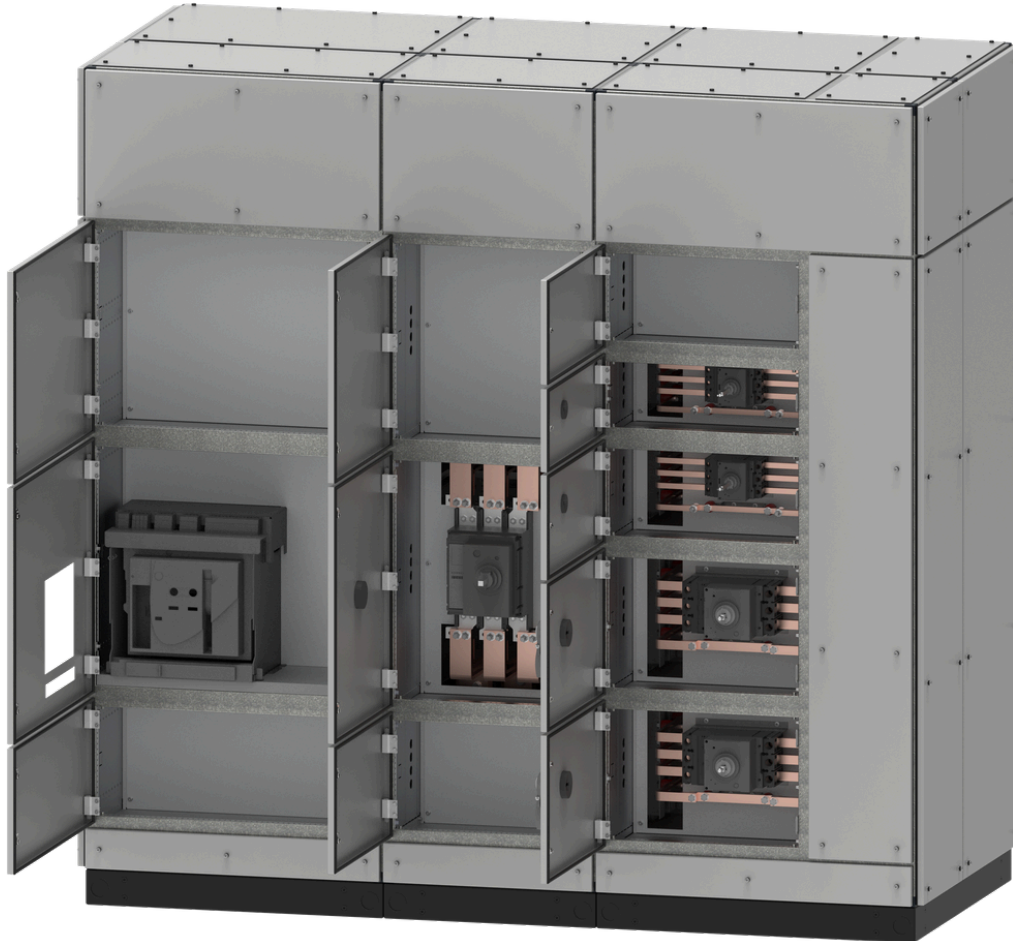


24 Years of Expertise in
Modular Enclosures

MODUTEC[®]
Simplifying Panel Building



MODDIS

MODULAR SWITCHBOARD ENCLOSURE SYSTEM



Faster

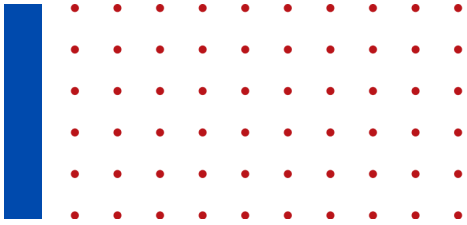
Smarter

Greener

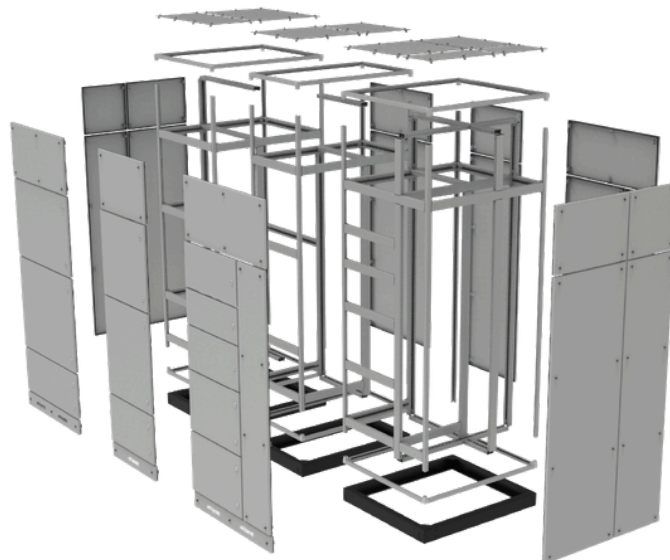
Compliant

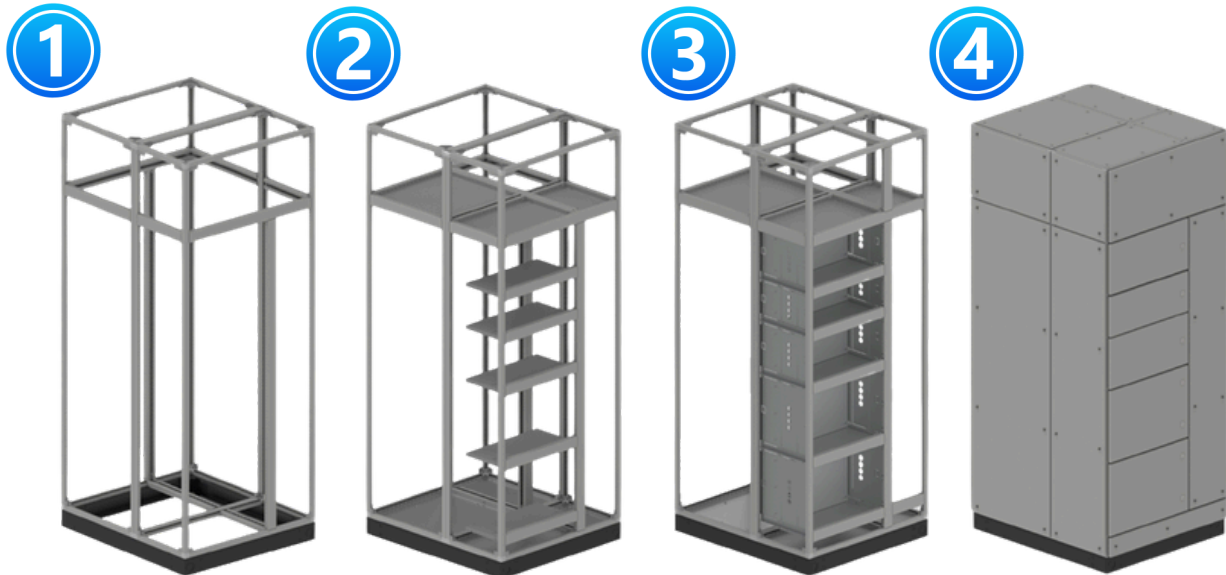
Mani Group of Companies

MODUTEC[®]
Simplifying Panel Building



MODDIS is extensively tested and verified to IEC 61439-1-2, Edition 3 standards for low voltage switchboards. All major brands of breakers, just fit perfectly into the MODUTEC modular switchboard enclosure system. It results from 35 years of innovative thinking, R&D and continuous testing at recognized test stations to global standards.





MODDIS modular enclosures are the most versatile switchboard enclosure systems at the best possible price. And, all the shipping sections of panels rest on a modular base frame which incorporates the possibility to join and design a free-standing line-up making it easy to transport section wise. We also advise many more standardizations in our Partner Program to help ***simplify panel building***.

MODUTEC is committed to facilitating & scaling your panel board business with ease.

Degree of protection	IP 42 / IP 55
Form of Separation	Form 2b / Form 3a & Form 3b / Form 4a & 4b Form 4a type 2 / Form 4b type 6 & 7
Entry of Cables	Top / Bottom
Access	Front / Front & Rear / Sides
Standard Colour	RAL 7035 Structure Finish (Special Colours are also available)

The growing demand in industrial power distribution, building & infrastructure are the important drivers increasing growth in the global electrical enclosure markets. World-wide the government of many countries has implemented stringent regulations regarding safety, compliance to IEC standards and world-class quality. To evangelize this trend and to enable any panel builder to build world-class panels in terms of quality, safety & technology, MODDIS leads in empowering: 'ON TIME DELIVERY', 'LEAD TIME REDUCTION' through 'SIMPLIFICATION'.

Our Technically strong team are always ready to simplify your complicated GA drawings and suggest you the best possible combinations as per the IEC Standards, for any of your enclosure requirements please plan to discuss with our team right from the initial stage to customize your design and plan your project costs.



At Modutec, our philosophy has always been to master the balance between customization and standardization — a crucial pillar in scaling meaningful value in the electrical enclosure industry.

The market has welcomed this approach, recognizing that speed, reliability, and flexibility are essential in mission-critical electrical distribution environments. When installations cannot wait, our system ensures a fast, accurate, and dependable response.

To achieve this balance, MODUTEC has established a modular 150 mm pitch across the X, Y, and Z axes. This standard provides a strong foundation for consistency and interchangeability, while also enabling rapid configuration.

At the same time, we understand the need to optimize footprint and remain competitive. Therefore, in selected high-demand dimensions, we have introduced a 150 mm pitch variant, offering enhanced flexibility without compromising modularity or structural integrity.

Below is the MODUTEC pitch structure for your reference — designed to support your planning, engineering, and execution with speed and confidence.

Multiple of	150 mm	150 mm	150 mm	150 mm
SI No	Panel Height	Panel Depth	Feeder Width	Feeder Height
1	1800	300	300	150
2	2100	450	450	210
3	2400	600	600	300
4		750	750	450
5		900	900	600
6		1200	1200	750
7				900
8				1050

Note: In special cases, feeder height dimensions can be made flexible to suit specific switchboard layouts. However, any deviation from the standard 150 mm pitch may result in a slightly extended delivery period.

Type-Test Certified



100% modular enclosure systems for all your electrical needs



World class Packing for both domestic and International Markets



Can be supplied in both flat pack and assembled conditions to support your Transportation costs

intertek
Test Quality Assured

ASTA TYPE CERTIFICATE
VERIFICATION OF TEST

Project No: G104214927 **Certificate No:** ASTA-TYPE-00039R1

Applicant: Mitsubishi Electric India Pvt. Ltd
E3, 3, 3 Block, MIDC Bhosur, Pune-410026, MAHARASHTRA India

Apparatus: 5000A, 415V/500V V (UL-UL/UL), 5000A 10 extendable force ventilated power switches and trip/ignition assembly incorporating three phase and neutral vertical and horizontal armoured black aluminum busbar system with Mitsubishi Electric switchgear one rooming ACB unit, two outgoing ACB units, three outgoing MCCB units and a protective circuit.

Manufactured By: Mitsubishi Electric India Pvt. Ltd
E3, 3, 3 Block, MIDC Bhosur, Pune-410026, MAHARASHTRA India

Assembled By: Modular Ready Panels Pvt. Ltd
No. 23, Sy No 105, Old Road, K. Asaph Industrial Layout, Off Sambalpur Road, Kaggibooka, Bangalore-560116

Test Report No: WD-1920-06206

Designation: 5000 Amps, 415 Volts PCC PANEL, Make: METTA

The apparatus which is representative of the designation, supplied drawings and photographs has been reviewed in accordance with:

IEC 61439-2: Edition 2:0 2011-08 & BS EN 61439-2: 2011

Verifications with reference to the tests listed in Annex D of IEC 61439-1: Edition 2:0 2011-08

1. Strength of material and parts	4/7B: No verification by testing required
2. Degree of protection of enclosures	4/8: Delivered as per type
3. Clearance	10: Temperature rise limits
4. Creepage distances	11: Short-circuit withstand strength
5. Protection against electric shock and integrity of protective circuits	12: Electromagnetic compatibility (EMC) emission limits

The results are shown in the report of tests attached hereto. The values obtained and the general performance is considered to comply with the above Standards and to justify the ratings assigned by the manufacturer as stated on the rating labels of the Certificate. The Certificate applies only to the apparatus tested. Responsibility for conformity of any apparatus having the same or other designations rests with the Manufacturer.

Certification Engineer
 Certification Officer
28th January 2022 Date of Issue

DEKRA

TEST CERTIFICATE

Issued to: LS ELECTRIC CO. LTD
Changanai Plant 2
Wahyuningin RT01/88, Heung deok-gu, Cheongju-si
Cheongju-si, South Korea

For the product: Low-voltage switchgear and controlgear assembly

Trade name: LS ELECTRIC - EM50L

Type/model: 1800A Modular Panel Board

Rating:
 - 1800 A (at 50 °C ambient), UL 415 V, U 1000 V, max. U_m 12 kV
 - 1800 A, max. 4000
 - 50 kA - 3 s (main busbar and incoming units)
 - 50 kA - 1 s (distribution busbars)
 - 50 kA at 415 V (incoming unit and outgoing units)
 For more details see annex

Manufactured by: LS ELECTRIC CO. LTD
1902 Normal, SMT 45, Ansan-si, Gyeonggi-do
Korea, Republic of, 305004

Subject: Design verification

Requirements: IEC 61439-2:2010, Ed 2.0
 Clauses: 10.2, 10.3, 10.4, 10.5, 10.6, 10.7, 10.8, 10.9, 10.10, 10.11, 10.12, 8 & 10.1

Remarks:

This Test Certificate is granted on account of an examination by DEKRA, the results of which are set forth in report no. 4800263-01-NC, issued 28 October 2022.

The examination has been carried out on one single specimen of the product, submitted by the manufacturer. The manufacturer does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Anheim, 28 October 2022 Number: 4800263-01-NC

DEKRA Certification
H.L. Schmitt
Certification Manager

CENTRAL POWER RESEARCH INSTITUTE
TEST REPORT

Test Report Number: CPRI/ELN/1970402 **Dated:** 13.06.2019

Name & Address of the Customer: WLS Load Controls India Pvt. Ltd.,
Regd. CP & Factory No. 1, S.D. Survey No.103, Old Road,
K. Asaph Industrial Layout, CP, Kankaraguda Road,
Kaggibooka, Bangalore-560022
Ref: Customer request form dated 08.06.2019

Name & Address of the Manufacturer: WLS Load Controls India Pvt. Ltd.,
Regd. CP & Factory No. 1, S.D. Survey No.103, Old Road,
K. Asaph Industrial Layout, CP, Kankaraguda Road,
Kaggibooka, Bangalore-560022

Particulars of sample tested:
Code: 150K_1200A_VCB Panel
Condition of the Sample on Receipt: New
Serial Number: 150K_1200A_VCB Panel (Sheet 2 of 4)
Number of samples tested: 1
Category of Test: Panel LCC061603/001, VCB SE-2017-013-1-010
CPRI sample code no: CP-08-2019-10-08-2019
Particulars of tests conducted: IEC 62271-200:2011
 Temperature rise test at 1200A

Test in accordance with:
 Standards/Specifications: As per IEC 62271-200:2011
 Sampling plan: Nil
 Customers requirement: Nil
 Certificate Entry: Nil

Name of the witnessing persons:
 Customers representatives: Mr. Dip Kumar Puri (JSM Manufacturing) and
 Mr. B. Kumar (JSM Technical)
 Other than Customers representatives: Test accompanied with address of the laboratory: N/A

Documents constituting this report:
 No. of Sheets: Nil
 Number of drawings: Nil
 Number of graphs: Nil
 Number of tables: Nil
 Number of Test Circuit Diagrams: Nil
 Number of Drawings: Nil

Tested by: 11 Chg. No. - 19051-0178, Sheet No. 01 of 03, Rev. 00
 12 Chg. No. - 19051-0178, Sheet No. 02 of 03, Rev. 00
 13 Chg. No. - LC3001-0178, Sheet No. 02 of 03, Rev. 00

Test Engineer: (KARUNAKAR)
Head of Division
Approved by:

Group: Design and Testing
Group: Design and Testing
Group: Design and Testing
Group: Design and Testing

CPRI, PCC-12000 (UL 1501) CPRI, PCC-12000 (UL 1501) CPRI, PCC-12000 (UL 1501) CPRI, PCC-12000 (UL 1501)
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Sheet 1 of 4

TECHNICAL SPECIFICATIONS FOR MODUTEC ENCLOSURES

Description	Material	Thickness
Frame Bar	AluZn	2 mm
Cross Bar	AluZn	2 mm
Hinged Door	CRCA with PC	1.6 / 2 mm
Bolted Cover	CRCA with PC	1.6 / 2 mm
Gland Plate	CRCA with PC	2 mm / 3 mm
Side Separation Plate	AluZn	1.2 mm
Feeder Separation Plate	AluZn	1.2 mm
Coupling Sheet	AluZn	1.2 mm
Busbar Chamber Separation Plate	AluZn	1.2 mm
Top Cover / Bottom Cover	CRCA with PC	1.6 mm
Mounting Plate	AluZn	2 mm
Cable Ladder	AluZn	2 mm
Plinth	3 mm CRCA / 75 / 100 ISMC with PC	
Busbar Support Fixing Channel	AluZn	2 mm
Busbar Insulators	SMC / Nylon 66	
Busbar Insulator Support	AluZn	2 mm
With Modular Accessories	CRCA with ZINC Blue Passivation Plating	

Note: Can be customised as per customer requirement.

The above specifications are indicative and are subjective to change without notice.

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ZEALAND


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ASIA


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& AFRICA


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Modutec Ready Panels Pvt Ltd

No. 4, Survey No 105 , K.Ashwath Industrial Layout, Uttari Road
Kaggalipura, Off Kanakpura Road, Bangalore - 560116, India

 +91 99014 59624, +91 98450 40837

 sales@modutec.net,

 www.modutec.net



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Control Panel and Switchgear Manufacturers' Association

