



Voltech Manufacturing Company Limited

ISO 9001 : 2015 | ISO 14001 : 2015 & ISO 45001 : 2018 Certified Company

PRODUCT CATALOGUE



Issue : February 2023 | Volume - 3

www.voltechgroup.com



VOLTECH
EXCELLENCE IN ENGINEERING PRODUCTS & SERVICES

(A Voltech Group Company)

Corporate Office:

Voltech Eco Tower,
No. 2/429, Mount Poonamallee Road,
Ayyappanthangal,
Chennai – 600056
Phone: +91-44-43978000
Fax : +91-44-42867746





Message from our Managing Director

Voltech Manufacturing Company Limited (VMCL) is a part of Rs. 5 billion Voltech Group, which is one of the India's leading electrical company, constantly engaged in delivering excellent products and extraordinary services, to its customers for the past two decades. It has built a presence in 42+ countries.

Voltech Group has a rich legacy in the field of Testing & Commissioning services and has established a strong presence in other fields as well, such as, to name a few, Electrical Design/Engineering, Instrumentation Engineering, EPC Projects, International Trading, Operation & Maintenance Services and HR Services.

A talented team of more than 5000 employees, brings world-class expertise solution to every aspect of electrical power system and infrastructure.

Our product portfolio comprises **Power & Distribution Transformers, HT & LT Switchgears, Control & Relay Panels, Numerical Relays, Battery Chargers, Fabrication Unit Flameproof/Weatherproof equipment, Solar Panels and Dry Type & Instrument Transformers Segment.**

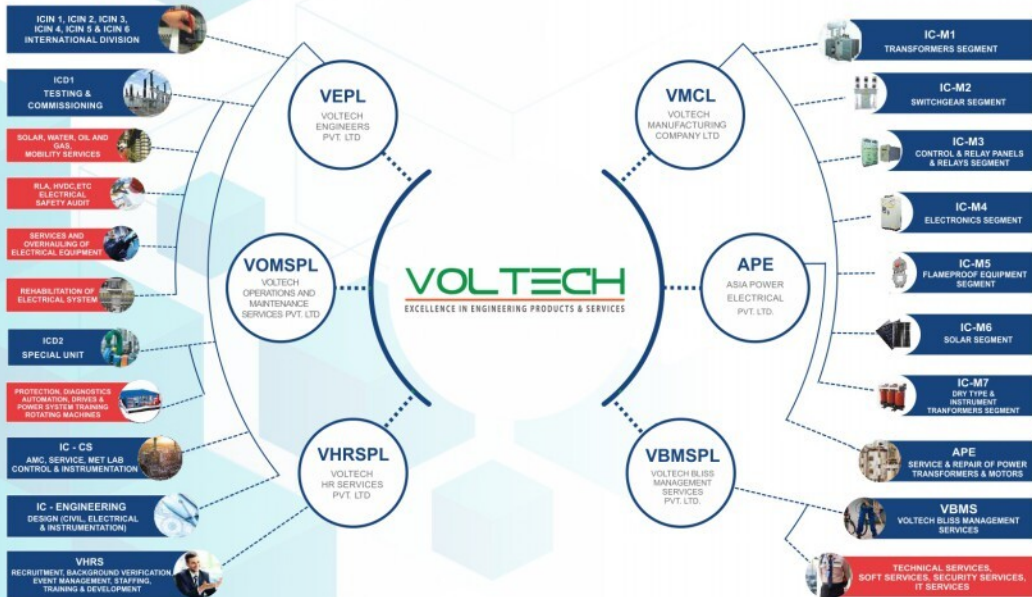
I take pleasure in presenting the profile of our Switchgear Division, CRP Division, Relays Division & Electronics Division as a ready reference for you, to explore more about our Products. I'm confident that this profile will serve as an introduction to our Manufacturing Products and facilitate us to expand our customer base in India and other parts of the world.

With regards

M. Umathi
Managing Director



ORGANISATION FLOW CHART VOLTECH GROUP OF COMPANIES



VOLTECH MANUFACTURING COMPANY LIMITED

ISO 9001 : 2015 | ISO 14001 : 2015 & ISO 45001 : 2018 CERTIFIED COMPANY



TRANSFORMERS DIVISION

Factory @ Pillaipakkam, Tamilnadu

Voltech Techno Park 3

Survey No. 212/1, 2 & 213/3, Pillaipakkam
Village, Sriperumbudur, Tamil Nadu - 602105

Mobile No : +91 87545 76984

E-mail : transformers@voltechgroup.com





IC - M1 | TRANSFORMER DIVISION

Our Range Of Transformers

OIL COOLED TYPE

- Power Transformers (upto 25MVA up to 132kV Class)
- Distribution Transformer as per IS 1180 (upto 2.5MVA 33KV Class)
- Hermetically Sealed Transformer (upto 2.5MVA 33KV Class)
- Earthing Transformer (up to 500KVA – 11kV Class)
- Furnace Duty (up to 10MVA 11 & 33kV Class)
- Generator Duty Transformer (upto 3.15MVA 33KV Class)
- Auto Transformer (upto 16MVA 132KV Class)
- Lighting Transformer (upto 3MVA)
- Auxiliary Transformer (upto 500KVA-3Ph.)
- Converter Duty Transformer (up to 15 MVA)
- Scott-T Connected Transformer (upto 1MVA 33KV Class)



Switchgear Division

Factory @ Cheyyar, Tamilnadu

Voltech Techno Park 5

Survey No.139A/1C, 139A/2A & 139A/3A,
Palli Village, Irumanthangal, Cheyyar Taluk,
Thiruvannamalai District, Tamilnadu

Phone : +91 80560 20699

E-mail : panel@voltechgroup.com





IC-M2 | SWITCHGEAR DIVISION

About Switchgear Division

When you put your trust in Voltech Manufacturing Company Ltd, you are enlisting the expertise of an organization that has been exceeding the expectations of customers since its founding in 1995. As MV/LV Switchgear panel manufacture, we offer the confidence, reliability and peace of mind that come with experience and a commitment to customer satisfaction.

With more than 2 decades of field experience and 40+ years of R & D experience, our core team will provide you with the design and implementation you need, and the quality, integrity and professionalism you deserve. Proudly serving the industries, infrastructures, energy & Utilities. Our products are marketed over 20+ countries.

We ensure every customer gets the right product, at right price with on-time delivery.



MO Series
circuit breakers

Switch to

min Aran
compact substation



Our Range of Products

HT Switchgear: (3.3kV - 36kV)

1. 11kV, 630A to 4000A, 40kA & 50kA* Indoor & Outdoor VCB Panel
2. 33kV, 630A to 3150A, 31.5kA Indoor & Outdoor VCB Panel
3. 11kV, 630A to 1250A, 25kA Porcelain Clad Vacuum Circuit Breaker
4. 33kV, 630A to 1250A, 25kA Porcelain Clad Vacuum Circuit Breaker
5. 11kV, 630A to 1250A, 25kA Indoor & Outdoor LBS Panel
6. 11kV Ring Main Gear
7. Compact Substation



LT Switchgear

1. PCC Panel up to 6300A, 80kA (Draw out / Fixed Type)
2. MCC Panel (Single / Double Front)
3. IMCC Panel
4. VFD Panel
5. Soft Starter Panel
6. APFC Panel
7. Generator & Induction Busducts
8. Junction Boxes
9. Control & Automation Panel



PMCC Panel



APFC Panel

VFD Panel



Our Products are successfully type tested and complies to all relevant IEC standards.

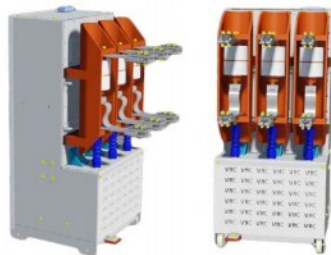
Technical Details

11kV & 33kV VCB

- Model No : MU Series
- Rated Voltage & Rated Current :12kV & 36kV, 630A up to 4000A
- Frequency : 50Hz
- Short Time Withstand Current And Duration: 40kA/3Sec & 50kA/3Sec
- Insulation Level: 12kV / 28kV rms, 75kV / 95kV Peak, 36kV / 70kV rms, 170kV / 185kV Peak
- Closing / Tripping Coil Voltage: 24VDC to 220VDC
- Spring Charge Mechanism: 230VAC/ DC
- Degree of Protection: IP2X, 3X, 4X & 5X

11kV Compact Substation:

1. Model No : MinAran
2. MV Compartment:
 - a. Rated Voltage: 3.3kV to 12kV
 - b. Rated Current: 630A to 1250A
 - c. Short time withstand current and duration: 26.3kA/3 Sec
 - d. Insulation Level: 12kV/28kVrms/75kV Peak.
3. Transformer Compartment:
 - a. Oil Immersed Transformer / Dry Type Transformer
 - b. 433 Volts, 3 Phase, 50Hz
 - c. kVA Rating 250kVA to 25000kVA
4. LV Compartment:
 - a. Incomer: ACB or MCCB
 - b. Outgoing: 4 Outgoing (MCCB), with APFC Panel or Customer Requirement
5. Degree of Protection : IP2X, 3X, 4X & 5X



E-House

About E-House

- Electrical buildings “E-houses” or “electrical houses”, are prefabricated walk-in enclosures that contain sensitive electrical and mechanical equipment that requires protection.
- E-Houses are customized, pre-assembled and pre-tested modular power substations.

Scope of E-House

- The main equipment is medium voltage switchgear mainly at 12, 15, 24, 27 or 36 kV and low voltage switchgear below 1kV.
- Low voltage switchboard and motor control centers can be installed as part of the power distribution equipment. Typically, the E-House is provided with station electric service that includes a panel board, lighting, power outlets, drives panel, battery banks, transformer for auxiliary services, safety equipment and air conditioning system, etc.



Test Certificates

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
 (Formerly Electrical Contractors Society Testing and Research Institute, Inc. under
 IREDA Trust, Registered in Karnataka, India) (INC-15) (1972)
 17/25, Road, Mysore-570002, Karnataka, India (570 002)
 Tel: +91-824-2334000
 Fax: +91-824-2334000
 Email: mreda@reda.org
 Web: www.reda.org

TEST REPORT

TEST REPORT NUMBER: **17/25/2023/00001/23**

NAME & ADDRESS OF CUSTOMER:
M/S. VOLTECH MANUFACTURING COMPANY LTD.
 (Sanganiger Colony)
 No. 17/25, PC, 17/25/2A, 17/25/2A/1,
 Sanganiger nagar, Rajiv Village,
 Channarayana, Channarayana,
 Karnataka-570002, India

DATE OF SAMPLE RECEIPT: **05.08.2023**

DATE OF TESTING: **05.08.2023**

DATE OF REPORT: **06.08.2023**

CLIENT'S DESCRIPTION:
 (As provided by customer)
30 KV, 1250 A, 26.3 KA VCB Panel
 Rated Voltage: 30 kV
 Rated Current: 1250 A
 No. of Poles: 3
 S.T.C. (26.3 kA for 2 sec)
 Installation Level: 38.4075 (above 110 level)
 Frequency: 50 Hz
 Operating Cycle: (O)-3 and (C)-3 (Max. CO)
 Year of Mfg.: 2023

TEST DETAILS
 1) Lightning impulse voltage test
 2) 1000 Joule Transient voltage test

ENGAGED BY: **M/S. Sanganiger - RA, Sanganiger - RA, Sanganiger - RA**

TESTED BY: **M/S. Sanganiger - RA, Sanganiger - RA, Sanganiger - RA**

PREPARED BY: **CRC**

REMARKS:
 The report refers only to the particular sample and does not extend to any other sample or to any other test. The report is valid only for the customer. Any modification of the report without the written consent of the customer is void. The customer is responsible for the accuracy of the data provided. The customer is responsible for the safety of the sample during the test. The customer is responsible for the safety of the test site. The customer is responsible for the safety of the test site. The customer is responsible for the safety of the test site.

CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT

Test Report Number: **CPRI/RA/21/2023** Date: **29 September 2023**

Name and Address of the Customer:
M/S. Sanganiger Manufacturing Company Ltd.
 (Sanganiger Colony)
 No. 17/25, PC, 17/25/2A, 17/25/2A/1,
 Sanganiger nagar, Rajiv Village,
 Channarayana, Channarayana,
 Karnataka-570002, India

Name and Address of the Manufacturer:
M/S. Sanganiger Manufacturing Company Ltd.
 (Sanganiger Colony)
 No. 17/25, PC, 17/25/2A, 17/25/2A/1,
 Sanganiger nagar, Rajiv Village,
 Channarayana, Channarayana,
 Karnataka-570002, India

Description of sample tested:
30 KV, 1250 A, 26.3 KA VCB Panel

Type: **VCB**
 Description of test sample:
 Serial Number: **17/25/2A/1/001**
 Number of samples tested:
 01 nos.

Performance of tests conducted:
 Lightning impulse voltage test: **1000 J**
 Transient voltage test: **1000 J**

Remarks:
 The report refers only to the particular sample and does not extend to any other sample or to any other test. The report is valid only for the customer. Any modification of the report without the written consent of the customer is void. The customer is responsible for the accuracy of the data provided. The customer is responsible for the safety of the sample during the test. The customer is responsible for the safety of the test site. The customer is responsible for the safety of the test site.

CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT

Test Report Number: **CPRI/RA/21/2023** Date: **27 January 2022**

Name and Address of the Customer:
M/S. Sanganiger Manufacturing Company Ltd.
 (Sanganiger Colony)
 No. 17/25, PC, 17/25/2A, 17/25/2A/1,
 Sanganiger nagar, Rajiv Village,
 Channarayana, Channarayana,
 Karnataka-570002, India

Name and Address of the Manufacturer:
M/S. Sanganiger Manufacturing Company Ltd.
 (Sanganiger Colony)
 No. 17/25, PC, 17/25/2A, 17/25/2A/1,
 Sanganiger nagar, Rajiv Village,
 Channarayana, Channarayana,
 Karnataka-570002, India

Description of sample tested:
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 Number of samples tested:
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 Karnataka-570002, India

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Our Esteemed Customers

Domestic

- M/s. Nuclear Power Corporation Of India
- M/s. Larsen & Toubro Ltd., Chennai
- M/s. Kalpataru Power Transmission Limited
- M/s. KEC International Ltd.
- M/s. Bharat Heavy Electricals Ltd
- M/s. Megha Engineering & Infrastructures Ltd
- M/s. BGR Energy Systems Ltd
- M/s. Tata Projects Ltd
- M/s. Indian Oil Corporation Limited
- Ms. Bangalore Metrorail Corporation Ltd. (BMRCL)
- M/s. Southern Railway
- M/s. Thermal Powertech Corporation.
- M/s. Sterling And Wilson Pvt Ltd.

International

- M/s. Larsen & Toubro Limited, UAE
- M/s. National Contracting Company, Tanzania
- M/s. Euroasiatic, Indonesia
- M/s. Sugar Corporation of Uganda Ltd. (SCOUL), Uganda
- M/s. ABB, Singapore
- M/s. Siemens, Kenya
- M/s. Indorama, Nigeria
- M/s. GS Holdings, Mozambique
- M/s. Babood LLC., Oman
- M/s. Egyptian Electricity Transmission Company, Egypt
- M/s. Compagnie de l'Engineering de l'Electricite et du gaz , Algeria
- M/s. Ethiopian Electric Power, Ethiopia
- M/s. Régie de distribution d'eau (REGIDESO), Burundi

FABRICATION PLANT

About Fabrication Workshop

The Fabrication workshop has boundary walls on all four sides with adequate access for vehicles into the premises for loading and unloading. The workshop is located in the north of Chennai approximately 35 kilometers from the city in SIDCO industrial estate. The workshop is well connected by roads.

- Total area of the workshop premises- 10000 SQFT
- Built-up area-1300 SQFT
- Outdoor area available for fabrication- approximately 8700 SQFT
- The machine shop (tool room shop) is around 250 sqft housing lathe, drilling machine and tool room equipment. Space for addition of additional machines is also available.



List of Machineries

- CNC TURRET PUNCH – AE2510NT(AMADA)
- CNC BENDING – RG100.(AMADA)
- CNC BENDING – PUMA 135(DENAR)
- SHEARING MACHINE – ASN 3006(DENAR)
- IRON WORKER – OPTIMUM
- LATHE – ACCURA 9 FEET
- UNIVERSAL MILLING – SUNRISE
- RADIAL DRILLING – ACCURATE
- BANSW – LAXON
- POWDER COATING – WAGNER
- 9 TANK PROCESS – NANO PHOSPATING
- MIG WELDING(MIGMAG500 AMS)
- SCREW COMPRESSOR

CNC Punching AE2510NT

- Capacity 20 ton.
- Servo Motor controle.
- Max sheet thick Ms 3MM, Alu 3MM, SS 2MM.
- Machine run without reposition To 8x4 sheet size.
- 30minits backup source.



CNC Bending RG100

- Capacity 20 ton.
- Servo Motor controle.
- Max sheet thick Ms 3MM, Alu 3MM, SS 2MM.
- Machine run without reposition to 8x4 sheet size.
- 30minits backup source.

CNC Bending Denner Puma-135

- 135 Ton capacity.
- Bend capacity 3100 MM Length.
- Max thick of Bending : 6mm Ms, 3mm Ss, 6mm Alu.
- Radius Bending.
- Hemming upto 3000MM.



List of Machineries

Shearing (Denner)

- Capacity 60 ton
- Max length of cutting 3100MM.
- Max thick of cutting length: MS 6MM, SS 3MM, 6MM Alu.
- Mini budding reference 10MM.
- Max budding reference 1000MM.

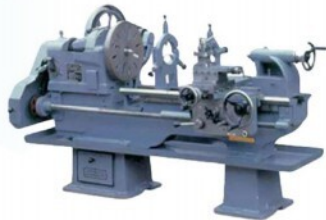


Lathe 9Feet

- Max round solid bar upto 130MM.
- Turning.
- Facing.
- Internal and External thread.
- 3JAW & 4JAW Chuck
- Drilling & Tapping.
- Radius & Tapering.
- Pumaternal, MS, Copper, Alu.

Iron Worker Optimun

- Capacity 90 ton.
- Hole pearcing, comernotching In flats, L Angles, C channel.
- Max thick of flate 16MM pears.



Universal Milling

- We mill up to 40 MM solid rod.
- Shaft Key.
- Both Vertical & Horizontal.
- Remearing



Radial Drilling

- Up 40MM Drilling.
- Rotation 360 Degree.
- Tapper Drilling.
- Tapping M2.5 to M16.



Mig Welding 500AMS

- Capacity 500AMS
- Min Thick 1.2mm.
- Max Thick 20 Mm.
- Weld MS & Aluminium.



Stud Welding

- Capacity min M3 Max M16 Stud.
- Max Stud Length 40mm.
- Both SS And Copper Stud.

List of Machineries

Powder Coating

- Capacity upto 150 Micrones.
- Min 60 Micrones.
- Multi colours as per customer requirement.
- Materials : Crca, GI, Alu.



Oven Process

- Capacity 2 ton.
- LQP Gas Fired Oven.
- Oven Size
- 3350Lx1350Wx2200H.
- Actual Trolley Size
- 3200Lx1200Wx1900H.
- Set Temperature Min 180 Degrees Max 250 Degrees.
- Batch Timing 45 Min (Adjustable).

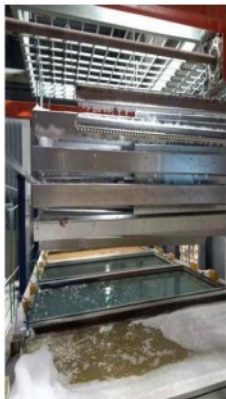
Pneumatic System

- ELGI Compressor With Dryer System.
- Air Reseveyer Capacity 500 LTS.
- 10 Bar Pressure Out Put.
- Auto Cut Off With HMI Interface

Typical compressed air supply system



9-Tank Process



For More Details, Contact

Mr. K. Sundaradivel

Factory Head (Fabrication)

Contact : +91 9566281593

E-mail : sundravadivel.k@voltechgroup.com

CRP Division

Factory @ Bangalore, Karnataka

Voltech Manufacturing Co. Ltd.,

B-56, KSSIDC Industrial Estate,

Kumbalgodu,

Bangalore – 560074

Phone : +91 96111 19571

E-mail : crpanel@voltechgroup.com





TESTING AREA

ASSEMBLING AREA

IC-M3 | CRP DIVISION

About CRP Division

Our journey started, since 1994 and we were known to our customers as M/s Deprocon. Later in the year 2007 the company was renamed as Voltech Controls & Automation Private Limited and now, after merging with Voltech Group, it has been changed as Voltech Manufacturing Company Limited.

With a rich experience and significant proven track records, VMCL is one of the iconic company in the manufacture of Control & Relay Panels up to 220kV System Voltage, for the past two decades.

Now, Control and Relay Panel Division of VMCL is engaged in design, manufacture and supply of Control & Relay panels for system voltages up to 400kV.

Our Factory covers a wide area of 6000 sq.ft and it is located at Kumbalgodu-Bangalore, with all sophisticated Machineries and equipment, to facilitate our Production.



Our Product Range

- We design, manufacture, test and supply the Control & Relay Panels to the following power system components ranging from LV, MV, HV, EHV voltage level.
- The panels are designed either simplex/duplex/mosaic type according to the customer requirement.
- We have excellent track record for the best customer satisfaction. We believe in keeping the customer satisfied and providing them with products at a very competent price, quality, and on time dispatches.
- We have successfully completed recertification audit for ISO: 45001-2018 and ISO:14001-2015.
- We provide system up gradation solution to the existing system have conventional type protection relays by retrofitting them with numerical relays.
- Our products are successfully type tested at CPRI Bangalore.

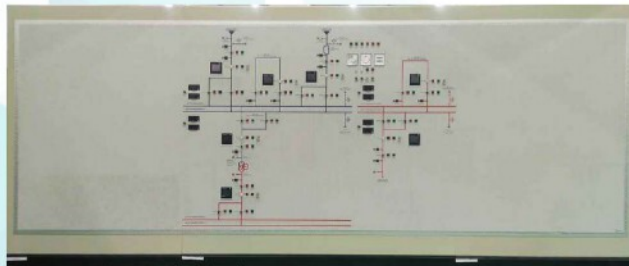
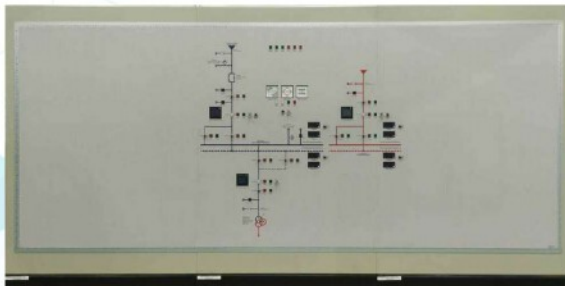
Control and Relay Panels for Various Electrical Equipment like:

- Transmission Line
- Power Transformers
- Generators
- Motor
- Bus Bars
- RTCC Panel
- Synchronizing Panel and Trolleys
- Metering, Mimic and Annunciation panels
- Control Desks
- Marshalling Kiosks (Indoor and Outdoor)
- Motors



110KV CRP Panel for
Novin Simia, Afghanistan

220KV/90KV Mosaic mimic panels for Kalpataru Power Transmission Limited – Cameroon.



66KV C & R Panel for SIEMENS, Mumbai.



66KV CRP Panel for Papua New Guinea Project through - DEMCO, Thailand.



Certifications





VOLTECH
TECHNOPARK

Relay Division

Factory @ Kovur, Tamilnadu

Voltech Manufacturing Co. Ltd.,
132,133,134, Sri Kumaran Nagar,
Kundrathur Main Road, Kovur,
Chennai – 600128

Phone : +91-96000 95599

E-mail : relay@voltechgroup.com



About Relay Division

VMCL-Relay Division, established in the year 2009, is being managed by a Professional Team Comprising of Managing Director, Vice President, Assistant Vice President (MARKETING), Design Head, Production head, Engineers and Finance Personnel.

VMCL-Relay Division executes supply of Numerical and Auxiliary Relays to many Utilities and Industries.

The Company employs reputed & well trained technical team with an excellent '24x7' service support. The strengths of the technical team relies on its vast & varied field experience gained by number of Electrical & Electronics Engineers working in Production / Quality Control and Testing.

The R&D team, with its in-house product Design and Development, is engaged in the development of 'State-Of-The-Art' Microcontroller based Protection devices, to be at Par with the present Technology & Trends in the field of Electrical Power System Protection Engineering.

Our products are approved by reputed Technical Consultants, Electricity Boards, Public Sectors, Private Sectors, etc., and are widely used in Sub-Station, Power Plants and Industries.



Our Product Range

- Designing, Manufacturing Supply and Servicing exclusive range of AUXILIARY AND PROTECTIVE RELAYS
- We believe in keeping the customer satisfied and providing them with products at a very competent price, quality, and on time dispatches.
- Our products are successfully type tested at CPRI Bangalore.

List of Products:

- High Speed Master Trip Relays (V86R)
- Auxiliary Relays (V80R)
- Trip Circuit Supervision Relays (V95RS3)
- Numerical Over Current & Earth Fault Relay (VN200R)
- Numerical Directional/Non Directional Over Current & Earth Fault Relay with Communication (VN200R)
- Numerical Motor Protection Relay with Communication (VN500R).

Our Esteemed Customers

- M/s. Tamil Nadu Electricity Board (TANTRANSKO / TANGEDCO)
- M/s. Divya Jyothi Electricals, Hyderabad
- M/s. Stelmec, Thane
- M/s. Megha Engineering and Infrastructure limited, Hyderabad
- M/s. Cosphi Power solutions, Hyderabad
- M/s. Edison Engineers, pudukottai
- M/s. Ganesh Electricals, Chennai
- M/s. GES Switchgear Pvt.Ltd, Chennai




Our Esteemed Customers

Domestic

- M/s. Tamil Nadu Electricity Board (TANTRANSCO/TANGEDCO)
- M/s. South Bihar Power Distribution Company Limited (SBPDCL)
- M/s. Odisha Power Transmission Corporation Limited (OPTCL)
- M/S. Karnataka Power Transmission Corporation Limited (KPTCL)
- M/s. Kothagudem Thermal Power Station (TSGENCO)
- M/s. Neyveli Lignite Corporation Limited (NLC)
- M/S. The Brihan Mumbai Electric Supply and Transport (BEST)
- M/s. Larsen & Toubro, Chennai
- M/s. ABB India Ltd., Bangalore
- M/s. Siemens Ltd, Ahmedabad
- M/s. Sterling & Wilson, Chennai
- M/s. Ashoka Buildcon Limited, Nasik
- M/s. Rays Power Infra Private Limited, Haryana
- M/s. Megha Engineering & Infrastructures Limited, Hyderabad
- M/s. Uttarakhand Power Corporation Limited (UPCL)
- M/s. Pashchimanchal Vidyut Vitran Nigam Ltd (PVVNL) - Meerut

International

- M/s. ABB, Singapore
- M/s. Afghanistan Electrical Interconnect Central Supply Depot, Kabul
- M/s. Pivot Engineering, Nigeria



Electronics Division Factory @ Kovur, Tamilnadu

Voltech Manufacturing Co. Ltd.,
132,133,134, Sri Kumaran Nagar,
Kundrathur Main Road, Kovur,
Chennai – 600128
Phone : +91-96000 95599
E-mail : electronics@voltechgroup.com



110V/35A & 110V / 40A Batter Charger for GVPR - Malkangiri Project

IC-M4 | ELECTRONICS DIVISION

About Electronics Division

Voltech – Electronic Division is a part of the VOLTECH Group established in 2012, specializing in Designing, Manufacturing and servicing of Electrical/Electronic products such as DC Power Source to the various sectors of industries, Power plant, Substations, Cement industry, Oil & Refinery Plant, Solar Plant, Telecommunications, Railways, Smart Cities and other industries.

Our Products

- BATTERY CHARGER
- SMPS/ POWERPACK
- SERVO STABILIZER

DC-DC CONVERTER

Voltech's DC-to-DC converter is an electronic circuit which converts a source of direct current (DC) from one voltage level to another. Power levels range from very low (small batteries) to very high (high-voltage power transmission).

TECHNOLOGY

- H-Bridge configuration
- Constant voltage & constant current control

PRODUCT FEATURES

- DC-DC Converter up to 2.5KW
- Efficiency >95%
- Short circuit protection.



BATTERY CHARGER

- Voltech's Battery Chargers are available from the ranges of 12V to 600V & 10A to 300A.
- Our Panels are successfully Type Tested at approved NABL Labs like ERDA, SAMEER, ECIL, and ETDC.

TECHNOLOGY

- SCR based Microcontroller Battery charger
- Battery charger with HMI interface

TYPES

- Float Cum Boost Charger
- Dual Float Cum Boost Charger
- Float Charger And Boost Charger
- Float And Float Cum Boost Charger

PRODUCT FEATURES

- Automatic voltage regulation for maximum reliability and high performance
- Soft start to minimize inrush current into the battery
- Over voltage fold back to keep load and battery
- Charger short circuit and overload protection
- Separate battery path current limiting keeps battery charging current lower than the load current maintaining charging current constantly at required levels
- Automatic float/boost changeover, based on the current drawn by the battery
- Designed for low maintenances, remote operation.
- Auto phase reversal operation.
- Electromagnetic compatibility (EMC) operation.
- Suitable for PLC, SCADA, & RS-485 MODBUS communication protocol.



SMPS/POWER PACK

Voltech's SMPS type Battery charger is used in a Telecommunication system as a power sources for the PLC, SCADA and other communication related products like VCB panel in substation while station battery supply is not available.

TECHNOLOGY

- Technique – Push Pull, fly back, forward:
- Higher efficiency and less heating
- Reduced size and weight range
- Current mode, MOSFET based design

PRODUCT FEATURES

- Efficiency >95%
- Automatic Recovery System.
- Power factor >0.95
- Inbuilt EMI Filter
- Short circuit protection.
- 2.5KW for Single phase and 6KW for three phases.



Power Pack



SMPS VP-400



SMPS VP-200

SERVO STABILIZER

Voltech's Servo Stabilizer which ranges from Power 3KVA to 150 KVA (for Air Cooled); 20KVA - 3500 KVA (for Oil Cooled) for both 3 and 1

TECHNOLOGY

- Digital-Micro controller based Servo Stabilizer

PRODUCT FEATURES

- High Efficiency >98%
- No waveform distortion.
- High speed of correction.
- Ingres protection 42 (indoor).
- Response time 70V PH-PH , 35 PH-N
- Ambient temperature 50deg C
- Short circuit & current limited.



POWER SAVER PANEL

The Voltech power saver panel is basically a loss less transformer coil, which when introduced in the lighting circuit will help in reducing the power consumption in discharge lighting devices like mercury vapour lamp, sodium vapour lamp and fluorescent tube lights. It is a device which applies a reduced voltage to discharge lighting devices which result in lower current flow through these.

Product Features

- Efficiency of power saver unit is 99% plus.
- On Load Tap Changer for By-pass and Tap Selection.
- Any special requirement / specification can be adopted in the Panel.
- Under and Over Voltage By-pass
- Automatic Tap selector and Bypass system
- Lighting Panel cum Energy Savers
- Power Saver with High/Low Voltage cutoff



* Tested and Certified at Electronics
Test and Development Centre - Chennai

TRANSFORMER VOLTAGE REGULATOR

Our range of **TRANSFORMER VOLTAGE REGULATOR** can overcome and control these voltage fluctuations & can provide you with the desired constant output voltages.

Product Features

- Optimal Voltage Regulation.
- It regulates voltage automatically by changing an input voltage range.
- It has Low Impedance.
- Load Compatibility.
- Good Voltage Accuracy.
- Low Maintenance cost
- Less number of mechanical moving parts



Test Certificates

ELECTRONICS TEST & DEVELOPMENT CENTRE, CHENNAI
ETDC Chennai, Department of Electronics & Information Technology
 Government of India

Dr. V. Lakshmi, Treasurer, Chennai - 600 042
 No. 150, Anna Salai, Chennai - 600 002
 Tel: 042264 7100-7101-7102 Fax: 042264 7103
 E-Mail: etdc@nic.gov.in

TEST REPORT

Test Report No. **ETDC/CH/2019/00005**
 Date: **02/10/2017** Page 01 of 02

1.1	Serial Number From To & Date	2017/02/01-17	2017/02/01-17
1.2	Name & Address of the Customer	M/s. Vishnu Manufacturing Company, 26, No. 113, 5th A, Ann Salai, Madurai, Madurai - 625 001	
1.3	Description of Test Item(s)	Transformer	
1.4	Number of items tested	100	100
1.5	Number of items in stock	100	100
1.6	Date of receipt of items	17/02/2017	17/02/2017
1.7	Date of completion of testing	23/02/2017	23/02/2017
1.8	Place where testing carried out	ETDC, CH	ETDC, CH
1.9	Applicable Indian Standards	IS: 1500-10	IS: 1500-10
1.10	Applicable International Standards	IEC: 60086-1	IEC: 60086-1
1.11	Equipment used	ETDC, CH	ETDC, CH
1.12	Personnel involved	ETDC, CH	ETDC, CH
1.13	Remarks		
1.14	Special test method		
1.15	Photo		

Tested by: *[Signature]*
 A. Anand Das

TEST REPORT

Test Report No. **ETDC/CH/2019/00006**
 Date: **10/08/2017**

1.1	Serial Number From To & Date	2017/02/01-17	2017/02/01-17
1.2	Name & Address of the Customer	M/s. Vishnu Manufacturing Company, 26, No. 113, 5th A, Ann Salai, Madurai, Madurai - 625 001	
1.3	Description of Test Item(s)	Transformer	
1.4	Number of items tested	100	100
1.5	Number of items in stock	100	100
1.6	Date of receipt of items	17/02/2017	17/02/2017
1.7	Date of completion of testing	23/02/2017	23/02/2017
1.8	Place where testing carried out	ETDC, CH	ETDC, CH
1.9	Applicable Indian Standards	IS: 1500-10	IS: 1500-10
1.10	Applicable International Standards	IEC: 60086-1	IEC: 60086-1
1.11	Equipment used	ETDC, CH	ETDC, CH
1.12	Personnel involved	ETDC, CH	ETDC, CH
1.13	Remarks		
1.14	Special test method		
1.15	Photo		

Tested by: *[Signature]*
 A. Anand Das

TEST REPORT

Test Report No. **ETDC/CH/2019/00007**
 Date: **02/10/2017**

1.1	Serial Number From To & Date	2017/02/01-17	2017/02/01-17
1.2	Name & Address of the Customer	M/s. Vishnu Manufacturing Company, 26, No. 113, 5th A, Ann Salai, Madurai, Madurai - 625 001	
1.3	Description of Test Item(s)	Transformer	
1.4	Number of items tested	100	100
1.5	Number of items in stock	100	100
1.6	Date of receipt of items	17/02/2017	17/02/2017
1.7	Date of completion of testing	23/02/2017	23/02/2017
1.8	Place where testing carried out	ETDC, CH	ETDC, CH
1.9	Applicable Indian Standards	IS: 1500-10	IS: 1500-10
1.10	Applicable International Standards	IEC: 60086-1	IEC: 60086-1
1.11	Equipment used	ETDC, CH	ETDC, CH
1.12	Personnel involved	ETDC, CH	ETDC, CH
1.13	Remarks		
1.14	Special test method		
1.15	Photo		

Tested by: *[Signature]*
 A. Anand Das

ETDC CHENNAI
 DEPARTMENT OF ELECTRONICS & INFORMATION TECHNOLOGY
 GOVERNMENT OF INDIA

Tested by: *[Signature]*
 A. Anand Das

Checked by: *[Signature]*
 A. Anand Das

Approved by: *[Signature]*
 A. Anand Das

Our Esteemed Customers

Domestic

- M/s.L&T Construction Ltd
- M/s.Tamilnadu electricity board
- M/s.KEC International
- M/s.Hitachi Energy Pvt Ltd
- M/s.Kalpattaru power transmission Pvt Ltd
- M/s.Schneider Electric Infrastructure Limited
- M/s.Siemens

- M/s.BGR energy system limited
- M/s.Sterling and Wilson Solar Ltd
- M/s.Jackson limited
- M/s.ABB power product and system Ltd
- M/s.Trans Global power Ltd
- M/s.Solar care india Pvt Ltd
- M/s.Megha engg and infrastructure Ltd

- M/s.ISITVA steel Pvt Ltd
- M/s.Powertech constructions Pvt Ltd
- M/s.Chennai radha engineering Pvt Ltd
- M/s.Mechelien enginners
- M/s.Yogokawa india Ltd for IOCL
- M/s.Hild energy Pvt Ltd

International

- M/s.L&T Construction Ltd
- M/s.KEC International
- M/s.Hitachi Energy Pvt Ltd
- M/s.Kalpattaru power transmission Pvt Ltd ,Tanzania
- M/s.Schneider Electric Infrastructure Limited
- M/s.Siemens

- M/s.Sterling and Wilson Ltd
- M/s.ABB power product and system Ltd
- M/s.Abbisiniya Kenya
- M/s.Sugar corporation Uganda Ltd
- M/s.Lenin centrum Ltd
- M/s.Apollo international Ltd

Flameproof Equipment Division

Factory @ Kovur, Tamilnadu

Voltech Manufacturing Co. Ltd.,

132,133,134, Sri Kumaran Nagar,

Kundrathur Main Road, Kovur,

Chennai – 600128

Phone : +91-93601 24607

E-mail : sales.vflp@voltechgroup.com





IC - M5 | FLAMEPROOF EQUIPMENT DIVISION

OUR RANGE OF FLAMEPROOF / WEATHERPROOF EQUIPMENT

- **Cat No: VMC/1233 & VMC/1233C** – LED Well Glass & Flat Glass Fitting
- **Cat. No: VMC/1271** – LED Tube Light Fitting
- **Cat. No: VMC/127** – LED Hand Lamp Fitting
- **Cat. No: VMC/128S** – LED Reactor Vessel Lamp Fitting with Timer or Switch
- **Cat. No: VMC/151** – LED Flood Light Fitting
- **Cat. No: VMC/184-CRF** – LED Clean Room Fitting
- **Cat. No: VMC/1010** – Start/Stop Push Button Station, Plug & Socket, Rotary Switch etc
- **Cat. No: VMC/105** – 4way Junction Box, Limit Switch (Roller/Lever Type), Rotary Switch etc
- **Cat. No: VMC/187** – Plug & Socket, Hooter
- **Cat. No: VMC/186 & VMC/186S** – Multiway Junction Box, Instrument Enclosure
- **Cat. No: VMC/1001 & VMC/1001S** – Control Panel
- **Cat. No: VMC/1271CA** – Camera Housing Enclosure
- **Cat. No: VMC/209G & VMC/209P** – Cable Glands & Blanking Plugs
- **Cat. No: VMC/WP14** – Start/Stop Push Button Station
- **Cat. No: VMC/WP02** – Forward/Reverse/Stop Push Button Station
- **Cat. No: VMC/WP03** – Start/Stop Push Button Station with Ammeter
- **Cat. No: VMC/WP17** – 4way Junction Box
- **Cat. No: VMC/WP04** – Street Light Junction Box



FLP/WP INSTRUMENT ENCLOSURE

Cat. No : VMC/186



FLP/WP DOUBLE COMPRESSION CABLE GLAND & DUMMY PLUG

Cat. No : VMC/209G & VMC/209P



**FLAMEPROOF/WEATHERPROOF
WELL GLASS & LED FITTING**
Cat. No : VMC/1233 & VMC/1233C



**FLAMEPROOF/WEATHERPROOF
HAND LAMP FITTING**
Cat. No : VMC/127



**FLAMEPROOF/WEATHERPROOF LED
REACTOR VESSEL LAMP FITTING**
Cat. No : VMC/128S



**FLAMEPROOF/WEATHERPROOF
CAMERA ENCLOSURE**
Cat. No : VMC/127CA



**FLAMEPROOF/WEATHERPROOF
REACTOR VESSEL LAMP**
Cat. No : VMC/128



**FLAMEPROOF/WEATHERPROOF
FLOOD LIGHT FITTING**
Cat. No : VMC/151



**FLAMEPROOF/WEATHERPROOF
LED CLEAN ROOM FITTING**
Cat. No : VMC/184 CRF



**FLAMEPROOF/WEATHERPROOF
CONTROL STATION**
Cat. No : VMC/1010 & VMC/175



**FLP/WP LIMIT SWITCH
(ROLLER/LEVER TYPE)**
Cat. No : VMC/105



**FLAMEPROOF/WEATHERPROOF
SWITCH**
Cat. No : VMC/187



**FLP/WP 16A DP ON/OFF
ROTARY SWITCH**
Cat. No : VMC/105 & VMC/1010



**FLP/WP 25A (2P+E) INTERLOCKED
PLUG & SOCKET**
Cat. No : VMC/1010

Our Esteemed Customers

Domestic

- M/s.Indian Oil Corporation Limited
- M/s.Bharat Petroleum Corporation Limited
- M/s.Rashtriya Chemicals & Fertilizers Ltd
- M/s.Toshniwal Instruments (Madras) Pvt Ltd
- M/s.The RAMCO Cement Ltd
- M/s.Dow Chemicals International Pvt Ltd
- M/s.Chennai Radha Engg Works (P) Ltd
- M/s.L & T Hydrocarbon Engineering
- M/s.ABB Limited
- M/s.Precia Molen India Pvt Ltd

International

- M/s.TCI Sanmar Chemicals S.A.E, Eygpt
- M/s.Petro Excel, Indonesia

- M/s.Chemplast Sanmar Ltd
- M/s.Thirumalai Chemicals Ltd
- M/s.Tamilnadu Petroproducts Ltd
- M/s.JMC Limited
- M/s.BRICOM Technologies
- M/s.Thirumani Industry
- M/s.Apar Innosys LLP
- M/s.Ricelake Weighing Systems India Ltd
- M/s.Toshniwal Hyvac Pvt Ltd
- M/s.Chennai Port Trust
- M/s.MS Engineering
- M/s.ABCO Trade Centre
- M/s.Tekvihaan Engineering Solutions
- M/s.Ravel Hiteks Pvt Ltd
- M/s.Solara Active Pharma Sciences Ltd
- M/s.Coromandel International Ltd
- M/s.E–Security Services
- M/s.SSS Engineering & Services
- M/s.Instrutech Solutions
- M/s.Stahl India Pvt Ltd

A modern, multi-story industrial building with a white facade and large glass windows. The building features a prominent green horizontal band near the top and two red horizontal lines. The words "VOLTECH" and "SOLAR" are displayed in large, bold letters on the right side of the building. The sky is blue with scattered white clouds. In the foreground, there are green plants and a curved metal railing.

**VOLTECH
SOLAR**

Solar Division

Factory @ Kovur, Tamilnadu

Voltech Manufacturing Co. Ltd.,
132,133,134, Sri Kumaran Nagar,
Kundrathur Main Road, Kovur,
Chennai – 600128

Phone : +91-96000 95599

E-mail : prasad.kr@voltechgroup.com


NanoPV
NanoPV Solar Inc. USA



IC - M6 | SOLAR DIVISION

ABOUT SOLAR

- Solar power is the conversion of sunlight into electricity, either directly using photovoltaics (PV), or indirectly using concentrated solar power (CSP).
- CSP systems use lenses or mirrors and tracking systems to focus a large area of sunlight into a small beam. PV converts light into electric current using the photoelectric effect.

Types of Solar SPV System

- **ONGRID SYSTEM** - Only applies if Grid Power available
- **OFFGRID SYSTEM** - Only applies where grid power not available
- **HYBRID SYSTEM** - Combination of Ongrid and Offgrid System

Strength

- Production Capacity 25MW Per Year.
- EPC for Roof top, Ground Mount, Sheet roof top in Domestic and International.
- EPC for Ongrid , Offgrid , Hybrid systems.



Mono-Crystalline

Accreditations



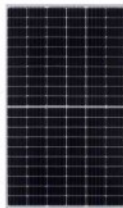
SOLAR CELLS AVAILABILITY



Polycrystalline
Efficiency- 16 -17%



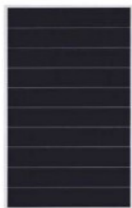
MONO-Crystalline
Efficiency- 17 -19%



Half-Cut MONO PERC
Efficiency- 18 -20%



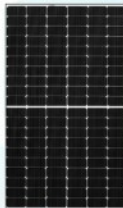
Shingled MONO Cells
Efficiency- 18 -20%



Shingled MONO PERC
Efficiency- 19 -20.5%



Half-MONO Cut Mono PERC
Efficiency- 19 -20.5%



Half-Cut MBB Heterojunction
Efficiency- 20 -22%



N-Type IBC
Efficiency- 20 -23%

(*PERC - PASSIVATED EMITTER AND REAR CELL)

Test Certificates

ABB

Purchase order Service		Order No. 710304274	Version No.	Page of 13
Customer Address 3, SRI MANGALAM EAST TOWER FLOOR TOWER 100A JUNCTION 10 MADRAS 600 085		Order No. 710304274	Version No. 02 11 2017	Customer ID 1001
Customer Name: ABB LIMITED, CHENNAI Address: 100, JUNCTION 10 JUNCTION 10, MADRAS 600 085 Contact: 044-26101000		Order No. 710304274	Version No. 02 11 2017	Customer ID 1001
Order No. 710304274		Version No. 02 11 2017	Customer ID 1001	
Order Date: 27/03/2014		Version No. 02 11 2017	Customer ID 1001	
Order Status: OPEN		Version No. 02 11 2017	Customer ID 1001	
Order Type: Standard		Version No. 02 11 2017	Customer ID 1001	
Order Category: Electrical		Version No. 02 11 2017	Customer ID 1001	
Order Sub-Category: Switchgear		Version No. 02 11 2017	Customer ID 1001	
Order Description: 1000V AIR INSULATED SWITCHGEAR		Version No. 02 11 2017	Customer ID 1001	
Order Reference: 1000V AIR INSULATED SWITCHGEAR		Version No. 02 11 2017	Customer ID 1001	
Order Remarks: 1000V AIR INSULATED SWITCHGEAR		Version No. 02 11 2017	Customer ID 1001	
Order Conditions: 1000V AIR INSULATED SWITCHGEAR		Version No. 02 11 2017	Customer ID 1001	
Order Terms: 1000V AIR INSULATED SWITCHGEAR		Version No. 02 11 2017	Customer ID 1001	
Order Notes: 1000V AIR INSULATED SWITCHGEAR		Version No. 02 11 2017	Customer ID 1001	

REKX ENERGY

Work Order No: REKX/ENR/SCMB-02/AMBU/10-110-13-14
Work Order Date: 27/ March 2014

To,
Vishak Engineers Pvt.Ltd,
Vishak 2007, Green No.24/25,
Mount Ponnambali Road,
Arappampalayam,
Chennai - 600 036.

Mobile: +91-44-4310100, Fax: +91-44-4310101,
Mobile No: +91-9946010073
E-mail: rekx@reksenergy.com

Kind Attn: Mr. S. Srivastava

Re: Work Order for Testing & Commissioning of Electrical Equipment's for use 10.1MVA Solar power plant at Enbadur, Ambur, Tamil Nadu.

Ref: Your email of dated 18.03.2014.

Dear Sir,

We refer to your offer and subsequent discussion, we are pleased to place this Work Order for the Testing and Commissioning of Electrical Equipment's at our site. Please find enclosed herewith the following annexures for the same.

Annexure - I) Scope of Work & Price Schedule,
Annexure - II) Commercial Terms and Conditions.

Kindly sign the duplicate copy of this work order and send to us within 3 days of receiving this order.

Yours Sincerely,
For REKX ENERGY LTD
MKS S. Srinivasan
AUTHORIZED SIGNATORY

NanoPV

Thermax Solar Ltd. 110, Anna Salai, Madurai Tamil Nadu - 625 002 India		Product Name: 1000V AIR INSULATED SWITCHGEAR	
Order No.: 710304274		Customer ID: 1001	
Order Date: 27/03/2014		Order Status: OPEN	
Order Type: Standard		Order Category: Electrical	
Order Sub-Category: Switchgear		Order Description: 1000V AIR INSULATED SWITCHGEAR	
Order Reference: 1000V AIR INSULATED SWITCHGEAR		Order Remarks: 1000V AIR INSULATED SWITCHGEAR	
Order Conditions: 1000V AIR INSULATED SWITCHGEAR		Order Terms: 1000V AIR INSULATED SWITCHGEAR	
Order Notes: 1000V AIR INSULATED SWITCHGEAR		Order Conditions: 1000V AIR INSULATED SWITCHGEAR	

27/03/2014
 MKS S. Srinivasan
 AUTHORIZED SIGNATORY

Our Esteemed Customers

Domestic

- M/s.Larsen & Toubro Limited – Construction
- M/s.ABB India Limited
- M/s.KEC International Limited
- M/s.Hindustan Zinc Limited
- M/s.Megha Engineering
- M/s.Kanoria Chemicals & Industries Ltd
- M/s.Bosch Limited
- M/s.Schneider Electric
- M/s.Harsha Abakus Solar
- M/s.SunBorne Energy Andhra Pvt.Ltd.
- M/s.Sun Edision
- M/s.SCS SOLAR SYSTEM
- M.s. Sterling And Wilson Pvt. Ltd
- M/s.KSA Powerinfra Pvt Ltd
- M/s.Aditya Birla Renewables
- M/s.Chemtrols Solar
- M/s.Reflex Energy
- M/s.Jakson Engineers
- M/s.Harsha Abacus
- M/s.Kumar Energy Pvt Ltd
- M/s.HBH Comfort Solutions Pvt. Ltd.
- M/s.Adhiev NanoPV
- M/s.ACME Clean tech solution
- M/s.Ramnad solar plant
- M/s.Adani Green Energy
- M/s.Kamuthi Renewable Energy
- M/s.Kamuthi Solar Power Ltd
- M/s.Belectric Photovoltaic india private limited
- M/s.Mytrah Energy Limited
- M/s.Greenko Group

Dry Type & Instrument Transformers Division

Factory @ Pillaipakkam, Tamilnadu

Voltech Techno Park 3

Survey No. 212/1, 2 & 213/3, Pillaipakkam Village,

Sriperumbudur, Tamil Nadu - 602105

Mobile No : +91 9677120617

E-mail : drytypetransformers@voltechgroup.com





IC - M7 | DRY TYPE & INSTRUMENT TRANSFORMERS DIVISION

LT DRY TYPE TRANSFORMER

VMC manufactures Ventilated Cast Resin Dry Type Transformer and Vacuum Resin / Varnish Impregnated Dry Type Transformer.

VMC have expertise to design , manufacture and test Distribution, Converter , Rectifier, Isolation / Lighting and other special application transformers as per IS 11171 , IEC 60726, IS 2026, ANSI, NEMA standards.

These Transformers are fitted in enclosure conforming to IP21 to IP33 for Indoor application and IP45 for Outdoor application.

VPI

The VMC Transformer coils are thoroughly dried in oven and the coils are then completely sealed with an insulating Varnish / Resin (Class F / H) through an vacuum pressure impregnation process. VMC is having a state of art VPI (Vacuum Pressure Impregnation) Plant. The VPI process fully penetrates and seals the coils into a high strength composite unit for complete environment protection, hence can be used in humid and chemically polluted atmosphere. Coils are then cured to develop bonding.

DUTY

- Distribution Transformer
- Rectifier / Thyristor duty
- Induction furnace duty
- Lighting, Isolation



LT Dry Type Transformer

PRODUCT RANGE

Applicable Standards	: IS 11171 , IEC 60726, IS 2026.
Rating	: 10kVA to 630kVA with both primary and secondary LT voltages.
No. of Phases	: 1 \emptyset and 3 \emptyset
Frequency	: 50 / 60Hz
Vector Configuration	: Dyn1/ Dyn11/ Ynd1/ Ynd1/ Yy0/ Dy5 and As per customer requirement.
Class of Insulation	: F or H with winding Temperature rise of 90 and 115 deg. C or as per customer requirement.
Tap changer	: OCTC (OFF Circuit Tap Changer)
Core Material	: CRGO (Cold Rolled Grain Oriented)
Winding Material	: Aluminum or Copper with Polyester / Polyesterimide / Polyesterimide overcoated with polyamide-imide Enameled Strip and Glass fiber wound varnish / Resin treated strip.

Advantages

- High level of Safety
- No flammable liquids
- No pollution from leaks solution.
- No toxic off-gasses
- Can be placed Close to the load
- More efficient
- Increased emergency Overload capability
- Improved Reliability
- Low Noise and Low Maintenance
- Designed to be free of Partial Discharge

HT DRY TYPE TRANSFORMER

PRODUCT RANGE

Ratings	: 25KVA to 2500 KVA
H.V.Voltages	: 3.3:6.6: 11kV
L.V.Voltages	: Around 433V, 230V
Winding Material	: Electrolytic Copper
Connection	: HV: Delta, LV Star with Neutural Brought
Tapping's on HV	: +2.5%, +5% by off circuit tap links
Insulation Class	: "F" Class
Application Standards	: IS:11171/IEC 60726
Enclosure	: IP:21 to IP:33 for Indoor & IP:45 for Outdoor Locations
Terminations	: Cable Box on either side or LBS/VCB on HV and ACB on LV

Application Areas

- Air Ports
- Hospitals
- Commercial Shopping Complexes
- Theatres / Multiplexes
- Subways
- Underground Tunnels
- Schools
- Steel, Cement, Textile and Chemicals
- Pumping Stations
- Metro Railways
- Unifized Sub Stations
- Ports
- Telecommunication Radion and TV Towers
- Petrochemical Industry



HT Dry Type Transformer

Advantages

- Safe as the Transformers are Case resin Dry type
- Maintenance Free : Practically No maintenance Required
- Aesthetics : Comparatively Superior
- Non-Inflammable : No fire hazard
- Non-Polluting : Hence Eco Friendly
- Non-Hygroscopic : No effects of moisture
- High Short circuit strength
- Compact Design
- Partial Discharge free
- Transportable and ready to install

Our Esteemed Customers

Domestic

- M/s.L&T Construction
- M/s.greenko Group
- M.s. Sterling And Wilson Pvt. Ltd
- M/s.Spring Transform Sun Energy Private Limited
- M/s.Advaith Consultancy Services
- M/s.Sansera Engineering Pvt Ltd
- M/s.Hyundai Mobis
- M/s.U-Solar Clean Energy Solutions Pvt Ltd
- M/s.SVG Control Systems Private Limited
- M/s.Rain Carbon Ltd
- M/s.Tata Power Solar Systems Ltd
- M/s.Power Trac Engineers Private Limited
- M/s.Aditya Birla Renewables Limited
- M/s.KCP Solar Industry
- M/s. Alsafa Power Consultant and Engineers (P) Ltd
- M/s. Neyveli Lignite Corporation Limited
- M/s. GE Power Conversion India Pvt.Ltd

LV CURRENT TRANSFORMERS

TECHNICAL SPECIFICATIONS

Type	Wound Primary/Ring/Rectangular
Finishing	Tape Insulated/Epoxy Resin/cycloaliphatic
Highest Voltage for Equipment (kV)	1.1kV
Rated Insulation Level (kV)	1.1 / 4kV
Rated Frequency (Hz)	50-400Hz
Rated Primary Current (A)	Up to 25000A
Rated Secondary Current(A)	5A or 1A
Special Protection(PS/PX)	VK=>v(As Per Requirement)
Number of Cores	1-2-3-4-5
Class of Insulation	Class B, F & H
Applicable Standards	IS,IEC,ANSI,BS,etc.
Accuracy class	0.1, 0.2s, 0.2, 0.5s, 0.5, 1, 3, 5
Instrument Safety Factor	≤ 5 (Depending on Accuracy Class)
Rated Burden (VA)	Up to 30VA (As Per Requirement)
Accuracy Class of Protection Core	5P to 15P
Accuracy Limited Factor(ALF)	5 to 30



MV INDOOR RESIN CAST CURRENT TRANSFORMER

TECHNICAL SPECIFICATIONS

Type	Wound Primary /Bar Primary/ Ring /Rectangular Type
Casting	Epoxy Resin
Highest Voltage for Equipment (kV)	Up to 36 kV
Rated Insulation Level (kV)	Up to 36/70/170kVp
Rated Frequency (Hz)	50-400Hz
Rated Primary Current (A)	Up to 10000A
Rated Secondary Current(A)	5A or 1A
Short Time Thermal Current (STC)	Up to 40 kA at 0.5 sec, 1 sec or 3 sec
Number of Cores	1-2-3-4-5
Class of insulation	Class B, F & H
Applicable Standards	IS,IEC,ANSI,BS,etc.
Accuracy class	0.1, 0.2s, 0.2, 0.5s, 0.5, 1, 3, 5
Instrument Safety Factor	≤ 5 (Depending on Accuracy Class)
Rated Burden (VA)	Up to 30VA (As Per Requirement)
Accuracy Class of Protection Core	5P to 15P
Accuracy Limited Factor(ALF)	5 to 30
Special Protection(PS/PX)	VK=>v(As Per Requirement)



LV INDOOR VOLTAGE TRANSFORMERS

TECHNICAL SPECIFICATIONS

Application	Indoor
Casting	Epoxy Resin/VPI
Highest Voltage For Equipment(Kv)	Up to 1.1 Kv
Rated Insulation Level(Kv)	1.1 / 4kV
Rated Frequency(Hz)	50-400Hz
Number of Windings	1-2-3-4-5
Class of insulation	Class B, F & H
Voltage Factor	1.2 Continuous/1.5 for 30 sec, 1.9 for 8 hours
Type of Earthing	One End Earthed Type(E-N) / UN Earthed Type(U-N)
Applicable Standards	IS,IEC,ANSI,BS,etc.
No of Phases	Single Phase/Three Phase
Rated Primary Voltage(V)	Up to 1.1kV
Rated Secondary Voltage(V)	110V/RT3,110V/3,110V(As Per Requirement)
Accuracy class	0.1 to 3
Rated Burden(VA)	Up to 500VA
Accuracy class of Protection core	3P and 6P



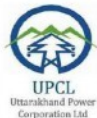
MV INDOOR RESIN CAST VOLTAGE TRANSFORMERS

TECHNICAL SPECIFICATIONS

Casting	Epoxy Resin
Highest Current For Equipment(kV)	Up to 36kV
Rated Insulation Level(kV)	Up to 36/70/170kVp
Rated Frequency(Hz)	50-400Hz
No of Phases	1-Phase or 3-Phase
Rated Primary Voltage(V)	Up to 33kV
Number of Windings	1-2-3-4-5
Class of insulation	Class B, F & H
Voltage Factor	1.2 Continuous/1.5 for 30 sec,1.9 for 8 hours
Type of Earthing	One End Earthed Type(E-N) / UN Earthed Type(U-N)
Applicable Standards	IS,IEC,ANSI,BS,etc.
Rated Secondary Voltage(V)	110V/RT3,110V/3,110V(As Per Requirement)
Accuracy class	0.1, 0.2, 0.5, 1, 3
Rated Burden(VA)	Up to 500VA
Accuracy class of Protection core	3P and 6P



Clientele - Domestic



Clientele - Domestic



and many more...

Clientele - International



EUROASIATIC

INDORAMA



and many more...

Vendor Approvals



Vendor Approvals



ENGINEERS INDIA LIMITED



Indian Farmers Fertiliser Cooperative Limited



VOLTAS

JAKSON

and many more...

Water Boards



PHED - RWSSMS, RAJASTHAN



UP JAL NIGAM



MP NVDA



MP WED



Madhya Pradesh
Jal Nigam Maryadit



TWADBoard
TamilNadu Water Supply and Drainage Board

and many more...

DIRECTOR OPERATIONS - VMCL

Mr. M. Babu

Mob.: +91 98405 57104 Email : babu.m@voltechgroup.com

DIRECTOR MARKETING - VMCL

Mr. R. Adalarasan

Mob.: +91 96770 55467 Email : adalarasan.r@voltechgroup.com

MARKETING TEAM

IC-M1 (Transformer Division)

Mr. G. Raguramanathan

Mob.: +91 96000 95932

Email : ragu.g@voltechgroup.com

IC-M2 (Switchgear Division)

Mr. S. Yuvaraj Sakthivel

Mob.: +91 86680 99093

Email : yuvarajsakthivel.s@voltechgroup.com

IC-M3 (Control & Relay Panel Division)

Mr. D. Janarthanan

Mob.: +91 95000 23463

Email : janarthanan.d@voltechgroup.com

IC-M4 (Electronics Division)

Mr. S. Balavignesh

Mob.: +91 63826 97027

Email : balavignesh.s@voltechgroup.com

IC-M5 (Flameproof Division)

Mr. N. Karthikeyan

Mob.: +91 93601 24607

Email : karthikeyan.n@voltechgroup.com

IC-M6 (Solar Division)

Mr. K. R. Rajendra Prasad

Mob.: +91 96000 95599

Email : prasad.kr@voltechgroup.com

IC-M7 (Dry Type & Instrument Transformer Division)

Mr. R. Karunakaran

Mob.: +91 63826 70320

Email : karunakaran.p@voltechgroup.com

OUR INFRASTRUCTURE



Executive Cabin



Training Room



Employees Workspace



Lobby



Conference Hall



Cafeteria



Aadukalam (Recreation Room)



Board Room

Certifications

ISO 9001 : 2015



ISO 14001 : 2015



ISO 45001 : 2018



Global Presence

International Locations



International Locations

ASEAN : Cambodia | Indonesia | Laos | Myanmar | Malaysia | Singapore | Thailand | Vietnam

SAARC : Bangladesh | Nepal | Sri Lanka

Middle East Countries : Bahrain | Iraq | Jordan | Kuwait | Oman | Qatar | Saudi Arabia | U.A.E

Africa : Algeria | Egypt | Kenya | Nigeria | Senegal | Tanzania | Uganda | Zambia

Europe : Germany | Spain | Turkey | United Kingdom

South America : Brazil, Chile

Australia | Iran | Japan | Russia | South Korea | USA

Indian Locations



India Locations:

**Bangalore | Bhubaneswar | Bilaspur | Chennai
Guwahati | Hyderabad | Kochi | Kolkata | Mumbai
New Delhi | Raipur | Vadodara | Lucknow**

Follow us on    

Corporate Office

Voltech Eco Tower, No.2/429, Mount Poonamallee Road,
Ayyapanthangal, Chennai - 600 056
Ph : +91-44-43978000 | Fax : +91-44-42867746
Email : voltech@voltechgroup.com



www.voltechgroup.com