

HT & LT SWITCHBOARDS



ESSWIN ELECTRO CONTROLS PVT. LTD.

ESSWIN

Esswin Electro Controls Pvt Ltd was founded in Delhi, India in the year 1988 as a sole proprietorship firm initially called as Esswin Electro Controls and was subsequently incorporated as a private limited company in the year 2012.

Esswin Electro Controls is thriving as a strong, consistent, Multifaceted, Multi disciplinary and vibrant organisation totally committed to quality and customer satisfaction. Long term relationship and repeat orders are testimony of the highest standard of quality and Customer satisfaction.

We are an ISO 9001:2015 certified company. Esswin Electro Controls Pvt Ltd has made it's position in competitive market by proving quality, safety and Timeline in Electrical and Instrumentation contracting company which provides premier Engineering-Procurement- Construction (EPC) contract solutions consisting of supply, erection, testing and commissioning by transcendent project execution specialists.

Also Esswin have Manufacturing facility in Rudrapur and providing quality product of LT Panels, Bus Duct, Powder Coated Cable Tray, Race ways, SS Cable Tray. The Unit is equipped with Hi- Tech machine, tools and team of professionals who designs and manufactures.

We have added a vertical to above which provides support to Industrial plant for their Power Quality Monitoring and subsequently solution for same in terms of product and knowledge. It Was acknowledged and certified as ECOEXPERT by Schneider Electric.

COMPETITIVE ADVANTAGES



Tailored Solution



Research based Development



Cost effective Solutions



Products with latest technology



On time Delivery



Prompt after sales supports

Esswin, offers a comprehensive range of best quality HT and LT Electrical Panels. These panels are unit products of smart quality raw materials in accordance with industrial quality standards.

With future-ready technology, strict quality policy and a constant compulsion to progress, our products are always par excellence and satisfy our patrons.

HT PANELS

Medium Voltage Panel 11KV & 33KV



HT PANEL

Voltage	33KV & 11KV
Frequency	50Hz
STR	18.4kA to 40kA
Current Rating	630A-3000A
Bus Bar	Al. / Cu.
VCB	CG made VCB & VCB Kit
Relay	Schneider
Meters	Schneider
Protection	Indoor/Outdoor
Туре	Draw out/Fix Type VCB
Duty Cycle	O-0.3sec-CO-3min-CO
NO Contacts	6 NO + 6 NC
PT	FIX / Draw out



LT PANELS

LT Panels are used with low tension cables to obtain power from the generator or transformer and distribute electricity to various electrical devices and distribution boards. LT panels are designed to function at lower voltages (up to 690 Volts) with low insulation levels.

SALIENT FEATURES

- Design tested at CPRI for short circuit, temperature & Ingress protection rise as per
 IS standards
- Tested designs type at 65KA STC with switchgear.
- 4000 A panels successfully tested at CPRI for TR, SC & IP 65 as per IS standards.
- Form 1/2/3a/3b/4a/4b design, in DOP- IP- 54.
- CNC fabricated fully bolted standardized designs
- Computer Aided Design(CAD) systems
- \bullet Panel enclosure degree of protection IP 54, IP 55 & IP 65
- Anti corrosion treatment
- Automatic spray conveyrised Pre Treatment plant with 9 Tank Process
- Painting in dust & vermin proof paint booths & ovens
- Non hygroscopic SMC bus bar supports for best mechanical & electrical strengths for fault current withstand.
- Bus bars and interlinks are insulated with heat shrinkable PVC sleeves
- Provision for future expansion for both sides.
- All live parts are shrouded with polycarbonate sheets.
- Certified core component supply from Schneider.

Certified
Core Components
Panel Builder

Power Control Centre

PCC offers upto 4000A rating suitable for operational Voltage of 415V in a 3 phase 4 wire distribution system with an insulation voltage upto 660V at an ambient Temperature of 450C



Motor Control Panel

For IV of Separation, type tested for 50kA short circuit withstand capacity and IP:54 degree of protection. Available in fully drawout type, semi-drawout type & fixed type versions in single and double front design.



VFD/PLC Panels

Ready made & as per customer specifications complete with wiring and harnessing for various type of industries.





Control Relay & Mimic Panel

Custom made design for specific requirements for control &status with mimic diagram depicting the system layouts. Available with protection relays, annunciators & alarm devices.



Closed Transition S/D starter

Rating 110KW - 450KW. No break in supply to the motor during starting.



Capacitor Panel (APFC)

contractor based/Thyristor based/Hybrid

Auto Capacitor Panels upto 1000KAR with or without harmonic filters. PC interface conforming to RS232 / RS485 to download electrical parameter. Optional thyristor switching.



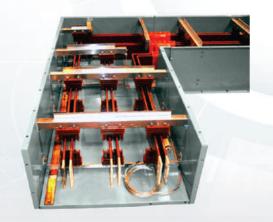
Feeder Pillar

IP:55 type feeder pillars for outdoor & indoor applications in various industries, Hotels and Townships.



Bus duct

A bus duct is a sheet metal duct containing either aluminum or copper busbars (metallic strips or bars that conduct a substantial electrical current) in a grounded metal enclosure.



DG synchronising relay/ PLC

- Manual PLC / DIEF / Woodword Relay based DG Synchronization and Load Management
- Provision for BMS Compatibility.
- Single Point access for all incoming/outgoing feeder parameters through HMI display.



Fire fighting control Panel

Fire Fighting Panels, Fire pump controllers are control panels containing electrical components such as circuit breaker, switches, VFD, relays & other devices dedicated to the operation of fire pumps.



Power Transfer Switch - upto 4000A

Transfer loads between alternate sources of power regardless of ampacity size efficiently. Combined with programmable microprocessor controllers, with most advanced method of transferring loads.



LT Isolator Panel

To isolate the power in between transformer & main LT panel, where these two are not put together.



Hazardous Area Panel

The enclosure is made of FRP/poly carbonate supplied by in-house manufacturer suitable for hazardous environment area like ETP & Acidic fume area.



POWER DB & PB STATIONS

SS 304 enclosed Motor Isolator & Remote PB Station

SS 304 enclosed switch-disconnectors, ready to be fixed on workshop wall or directly on the machine and wired to main supply circuit and to load.



Construction DB-IP 65

The DB used in construction site by different packaged vendor for electrically safe distribution at site.



110V Power Supply unit for hand tools

Used where client's safety team is very particular about low voltage supply for hand tools.



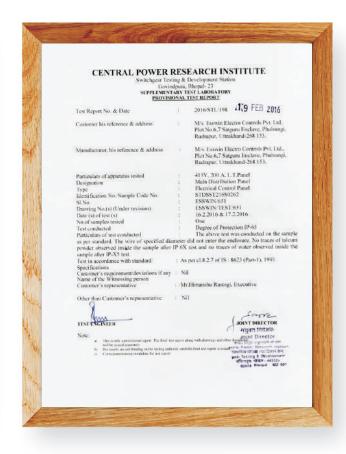
Industrial Socket 16/32/63 Amps

Available with different rating of power socket in combination with RCBO/MCB.



CPRI TEST CERTIFICATES





































































and many more...

CONSULTANTS



Jacobs









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