



*Empowering the Infrastructure and
integrating Power Solutions
by*

**DESIGN, MANUFACTURE
AND SUPPLY OF
CONTROL / DISTRIBUTION PANELS**



About us

ES Electronics (India) Pvt. Ltd is a ISO 9001:2015 certified company engaged in manufacturing and supply of Lighting Transformer Energy Saver Panels which saves energy up to 25% and are used in wide spectrum of industries in India and abroad.

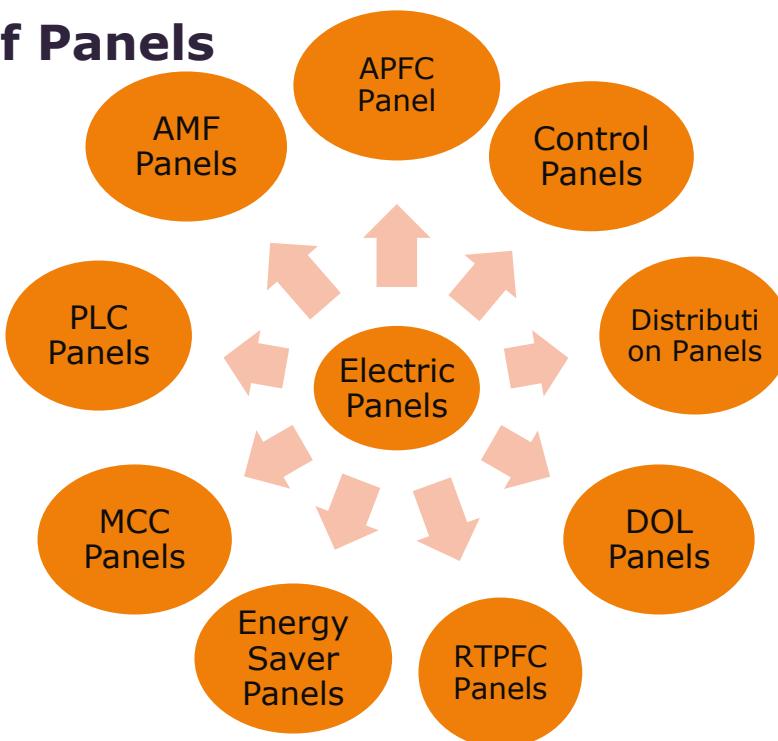
With the aim to meet the varied control panel requirements of our customers, we are also manufacturing and supplying superior quality of Control Panels, Automatic Power Factor Correction Panel with detuned filters, etc. Distribution Panels which are available in standardized as well as customized designs.

With diversified range of electric products, over the past few years, we have built a strong database of more than 100 satisfied domestic and international customers.

Guiding Principles

We believe innovation, exploration of new concepts & adapt to changes and customer's gratification is the key to success. The continuous research & development ensured customization facilities to our clients and our custom-built products got wider appreciation for its quality, performance and reliability.

Types of Panels





LT Control & Distribution Panels

We manufacture wide range of LT Control and Distribution and these products have been accepted and appreciated by wide spectrum of customers.

As the name implies, the panels are customized to customers' requirements and comprises of MCB, ACB of up to 7000 Amps to handle high industrial loads and bus coupler arrangement for flexible operations.



Technical Data

- Rated insulation voltage 660V, 40-60Hz. Rated Operational voltage: 415V, 50Hz
- Ratings up to 7000 amperes
- 50 KA RMS for 1sec with a peak current of 105 KA for bus bar system (Type tested at CPRI)
- Design ambient temperature : Standard 40degreeCelsius, Optional 45degree Celsius, 50degree Celsius.(Type tested at CPRI for Temperature Rise at 3000 Amps, 415V, 50Hz TP & N
- Any type of metering and/or protection instruments, i.e., Voltmeters, Ammeters, Energy (KWH) meters, indicating lamps, maximum demand Indicators, Power Factor Indicators, Frequency Meters, Protection Relays etc can be provided as per requirement.
- Extensive quality control checks are carried out at various stages of manufacturing fabrication Painting Assembly and Writing, Testing along with inspection of incoming material to maintain the total Quality Concept. Panels are manufactured keeping all IS tests and specifications in mind.



Motorized Changeover Panels



Feeder Pillar Panels



DOL Panels



Distribution Control Panel



PLC Panel



AMF Panel



Automatic Power Factor Correction Panels

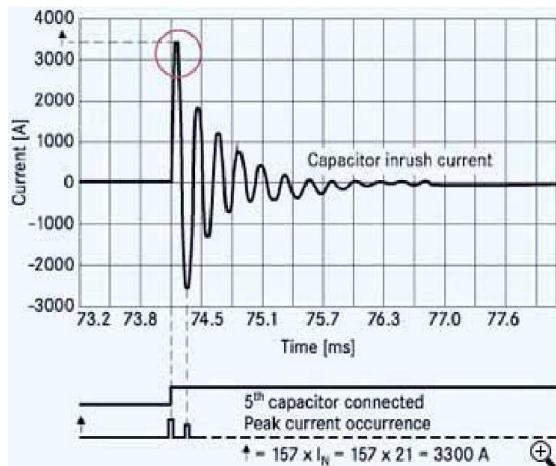
APFC panels are used for improving the power factor. We can offer both automatic power factor control panel both on contactor and thyristor basis. The APFC is available for both balanced and unbalanced loads and is designed to achieve power factor near to unity.



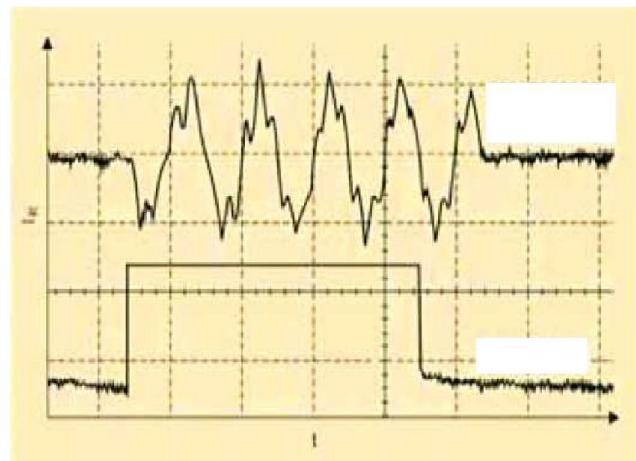
Alternatively we can also supply Thyristor switched Real Time PFC - High speed electronically switched. It is designed to achieve unity Power Factor and suitable for rolling mills, welding loads, DG set loads, ports, steel mills, cement and paper, etc. It is very accurate due to very smaller correction step.



Contactor Switching



Zero Voltage Switching



While improving the Power Factor, the system reduces harmonics with the help of detuned capacitor bank and custom designed harmonic filters.



Lighting Transformer and Energy Saver:

The ES-25 Energy Saver is a highly advanced and sophisticated transformer based power voltage optimizer that attaches to your incoming electricity supply. It uses a tried-and-tested technology known as voltage or power optimization to control the voltage and suppressing the load harmonics on lighting and mixed load. This lowers the amount of KWH consumed, which is what electricity bills are calculated on-and in so doing reduces carbon emission by the same amount.

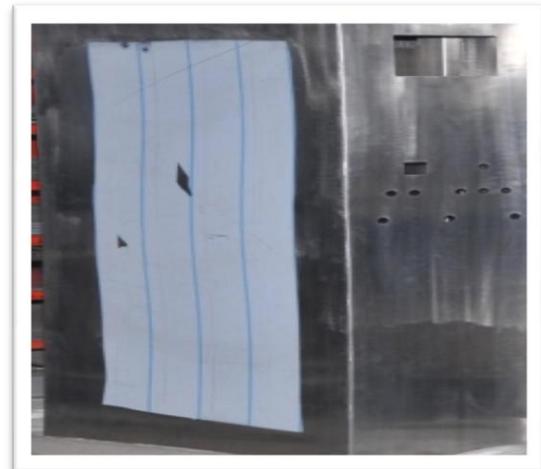
The Energy Saver Panel saves electricity up to 25% in centralized and street lighting including LED, mixed load and motor application. It also improves power quality and marginally power factor, extends the life of discharge lamps and reduces harmonics & carbon footprint.



Stainless Steel Panels:

We have high end expertise in manufacturing quality centric stainless steel panels.

Our stainless steel panels are designed to perfection and exhibit high end quality which is at par with the latest industrial norms and global standards.





INFRASTRUCTURE



FACTORY SPREAD OVER MORE THAN 4000 SQ. FT.



CNC MACHINE



R & D SECTION



HYDRAULIC MACHINE



ASSEMBLY



7 TANK PROCESS



SATISFIED CUSTOMERS



Ashoka Buildcon Ltd.



Bajaj Electricals Ltd.



L&T IDPL



(Supplied over 90000 Panels Globally)

contact us



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