




**dynalektric**®  
POWER | MOTION | SAFETY



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📍 Syno.49/2, Jigani,  
Bengaluru, KA, IN





## About Dynalektric

Dynalektric Equipment Private Limited (DEPL) is envisioned to be a high-technology product & solution provider for Transformers (Dry-Type VPI based Oil Cooled), Control Transformers, Distribution Oil Cooled Transformers, Power Transformers, Chokes, Reactors, Inductors, and Control Panel assemblies in the field of Railways, Renewable Energy, Heavy and Automotive Industries.

We are a DPIIT (Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry, Government of India) certified company (Certificate No DIPP60594) under STARTUP INDIA in the field of Technology Hardware Industry and manufacturing. We are ISO Certified by TUV SUD. We are also a certified MSME as a Manufacturing Enterprise under Udyog Aadhaar (UAM No. KR0380122808).

## Vision

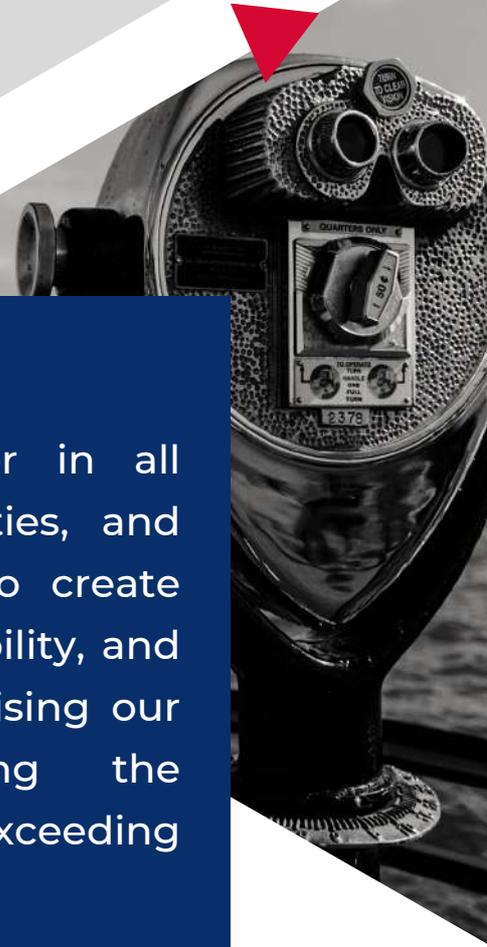
Dynalectric aspires to be a leader in all ventured sectors, seizing opportunities, and investing in the future. We seek to create benchmarks globally for quality, reliability, and customer satisfaction by endlessly raising our standards consistently anticipating the requirements of our customers, and exceeding their needs and expectations.

Our goal is to challenge ourselves every day making improvements in all our activities. We strive to achieve our goal by working together with a diverse team, bringing our skills to the forefront.

Inspired by "The Toyota Way".

## Mission

Our commitment is to deliver the most innovative smart solution with best-in-class quality at a reasonable price, ensuring customer delight. Our products are aimed to deliver high performance throughout the products' service life with minimum to zero "downtime and reduced operational edits".



## Our Promise

We, at Dynalektric have the attributes expected from any world-class manufacturing company. What makes us stand out amongst our competition is our commitment and passion for achieving the highest standards of quality in all our product offerings, using customer insight and feedback to develop the most innovative and relevant solutions. We ensure the delivery of high-quality solutions to all our Customers, going above and beyond.

We will be to all our customers Objective, Unbiased, Honest, and Transparent.

# OUR PRODUCTS

## AUXILIARY PANEL - HB1

Dynalektric manufacturer of Auxiliary Circuit Cable 1 (HB1) for Three Phase Locomotive are panels of contactors, switches, circuit breakers, etc. It controls the input to several auxiliary assemblies of the locomotive like machine room blower, compressors, crew fan cab heater, etc.

Input Rating	110VDC, 415, 1000 VAC
Output Rating	110VDC, 110, 230, 415VAC
Frequency	50Hz



## APPLICATIONS

- ◆ Urban Transportation
- ◆ Short - Distance Freight Transportation
- ◆ Regional Passenger Services

## FEATURES

- ◆ Equipped with all necessary protection device for locomotive
- ◆ Auxiliary equipment
- ◆ Equipped with switchgear for Machine Room Blower, Compressor, Crew Fan, Cab Heater, earthing fault.
- ◆ Easy front access to all the devices fitted in the panel
- ◆ Front side glass window for inspection and easy maintenance

## AUXILIARY PANEL - HB2

Dynalektric manufacturer of Auxiliary Circuit Cable 2 (HB2) for Three Phase Locomotive are panels of contactors, switches, circuit breakers, etc. It controls the input to several auxiliary assemblies of the locomotive like machine room blower, compressors, crew fan cab heater, etc.

Input Rating

110VDC, 230,415 VAC

Output Rating

110VDC, 230, 415 VAC

Frequency

50Hz



### APPLICATIONS

- ◆ Long-Haul Freight Transport
- ◆ Intercity Passenger Services
- ◆ Mainline Trains and High-Speed Rail

### FEATURES

- ◆ Equipped with all necessary protection device for locomotive auxiliary equipment
- ◆ Low Output Voltage Ripple: Maintains low output voltage ripple, ensuring stable and clean power delivery to the critical load.
- ◆ Easy front access to all the devices fitted in the panel
- ◆ Front side glass window for inspection and easy maintenance

## CONTROL CUBICLE PANEL - SB1

Dynalektric manufacturer of Auxilliary Control Cubicle 1 (SB1) for Three Phase Locomotive are panels to provide the interface to locomotive devices like pantograph, traction converter, auxiliary converter, pneumatic panel etc. as well as to the control electronics.

Input Rating

110VDC, 230VAC

Output Rating

230VAC, 1-Ph,  
110,48,24 VDC

Frequency

50Hz

### APPLICATIONS

- ◆ Shunting Operations

### FEATURES

- ◆ Equipped with all necessary protection device for locomotive auxiliary equipment
- ◆ Provide interface between control electronics and other devices
- ◆ Equipped with switchgear for battery charger, DC-DC converter, earthing fault, fire detection etc.
- ◆ Easy front access to all the devices fitted in the panel
- ◆ Front side glass window for inspection
- ◆ Marking of each wire for identification



## CONTROL CUBICLE PANEL - SB2

Dynalektric manufacturer of Auxilliary Control Cubicle 2 (SB2) for Three Phase Locomotive are panels to provide the interface to locomotive devices like pantograph, traction converter, auxiliary converter, pneumatic panel etc. as well as to the control electronics.

Input Rating

110VDC, 230VAC

Output Rating

230VAC, 1-Ph,  
110,48,24 VDC

Frequency

50Hz

### APPLICATIONS

- ◆ Industrial Switchers
- ◆ Terminal Tractors
- ◆ Specialized Rail Vehicles

### FEATURES

- ◆ Equipped with all necessary protection device for locomotive auxiliary equipment
- ◆ Provide interface between control electronics and other devices
- ◆ Equipped with switchgear for battery charger, DC-DC converter, earthing fault, fire detection etc.
- ◆ Easy front access to all the devices fitted in the panel
- ◆ Front side glass window for inspection
- ◆ Marking of each wire for identification



## AUXILIARY PANEL - FILTER CUBICLE

Dynalektric manufacturer of Filter Block is used to reduce harmonics in the catenary current. Line harmonic filter is connected with primary winding (self-inductance) of main transformer which consists of resistances, and capacitors. This harmonic filter reduces/suppressed the high frequency harmonics to enable efficient energy transmission and avoid disturbances in signaling.

Input Rating

110VDC, 1150VAC

Output Rating

110VDC, 1150VAC

Frequency

50Hz

### APPLICATIONS

- ◇ Industrial Manufacturing
- ◇ Power Generation



### FEATURES

- ◇ Panel with surge arrester, current sensor, contractor, capacitor etc
- ◇ Equipped with all necessary protection device for locomotive auxiliary equipment
- ◇ Side window for inspection and easy maintenance
- ◇ Marking of each wire for identification

## Auxiliary panel for 3-Ph Locomotive – Cubicle-F

Dynalektric manufacturer of Cubicle F is the interface between the Driver Control Desk and the Control cubicles SB1 & SB2. It is housed in the Driver Control Desk. It transmits the relevant information of the action of the Loco Pilot to the Control Cubicles and displays fault / error signal received from the Control Electronics on the A & C Panels.

Input Rating

110VAC, 110,  
48, 24 VDC

Output Rating

230VAC, 1 - PHASE  
110, 48, 24 VDC

Frequency

50Hz



## APPLICATIONS

- ▶ Passenger Locomotive
- ▶ Freight Locomotive

## FEATURES

- ▶ For main distribution panel between driver desk controls units and auxiliary control cubicle ,wago connector and circular connector used.

## Driver Desk Panel

Dynalectric Manufacturer of Drive Desk Panel for electrical locomotives as well as for Metro coaches. We are approved supplier for Indian Railway Locomotive for goods as well as for Passanger Coach

Input Rating

110VDC, 230VAC

Output Rating

230VAC, 1-Ph,  
110,48,24 VDC

Frequency

50Hz

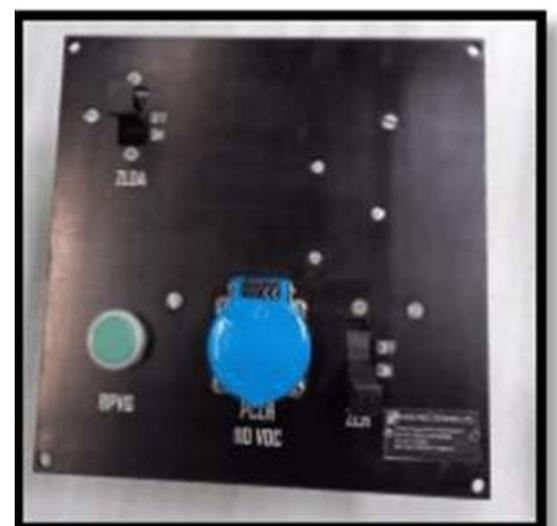


### APPLICATIONS

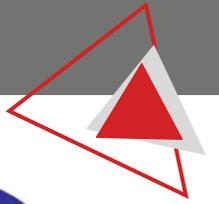
- ◆ Operations & Controlling function of 3-Ph locomotive.
- ◆ Provide interface between control electronics and other devices.
- ◆ The A, C and D Panels are mounted on the Driver Control Desk. These panels are used as human machine interface.

### FEATURES

- ◆ Equipped with all necessary protection device for locomotive auxiliary equipment
- ◆ Equipped with switchgear for various locomotive functions.
- ◆ Marking of each wire for identification



# Certifications and Approvals



**Banaras**



Locomotive Work



**RDSO**

Research Design & Standards Organisation



Ministry of Micro, Small and Medium Enterprises,  
Government of India

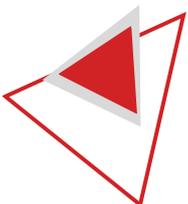


**#startupindia**



**NSIC**

CERTIFIED CO.





**dynalektric**®  
POWER | MOTION | SAFETY

**ROYAL**  
INFRACONSTRU LTD.



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