

T-LINE

Plug-in Power Distribution Panelboard





Established in 1988, TECOBAR is the first-tier manufacturer of cast resin busway system and T-LINE power distribution panelboard featuring the most versatile design concept, advanced manufacturing processes and premium customer support serving our global partners.

With TECOBAR T-LINE Panelboard -

1 High Quality

- Rated voltage up to 690V
- Rated current up to 1200A
- Integrated the most reliable plug-in system
- The T-LINE main bus is fully encapsulated by epoxy resin (Class B 130°C) with high insulation performance and short circuit strength.
- Busbar connection eliminates additional tightening

2 High Performance

- Reduce assembly time by modularization to accommodate attractive costs and short delivery times
- To add or remove loading while power on without interruption, hot swappable

3 Flexibility of Construction

- Once transformer capacity is decided, you can make boards
- Decision of breaker capacity will be made in time shortly before construction of low-voltage power line
- By adopting a push-type terminal type breaker, the number of mains connection man-hours is greatly reduced
- Freedom to choose the makers of branch breakers

4 Safety

- Ingress protection is IP42 and IP55 for the enclosure
- Certified to IEC standard 61439-2



5 Compact size

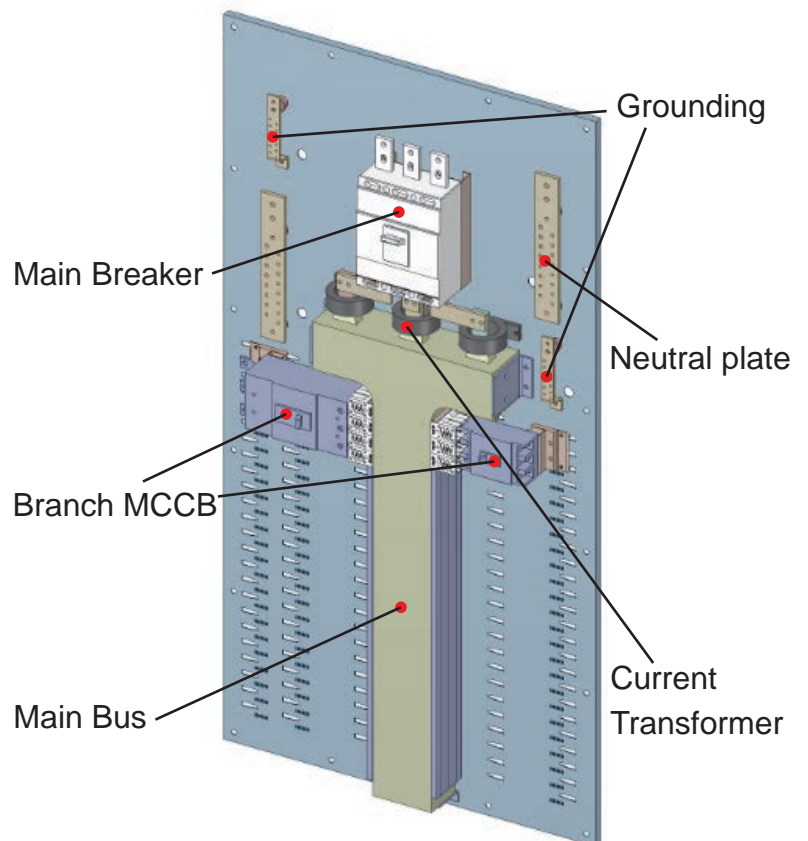
- Plug-on system realizes space saving on installed floor space (reduced to 65%)

6 Easy Maintenance

- Reconfiguration & inspection can be done from the front

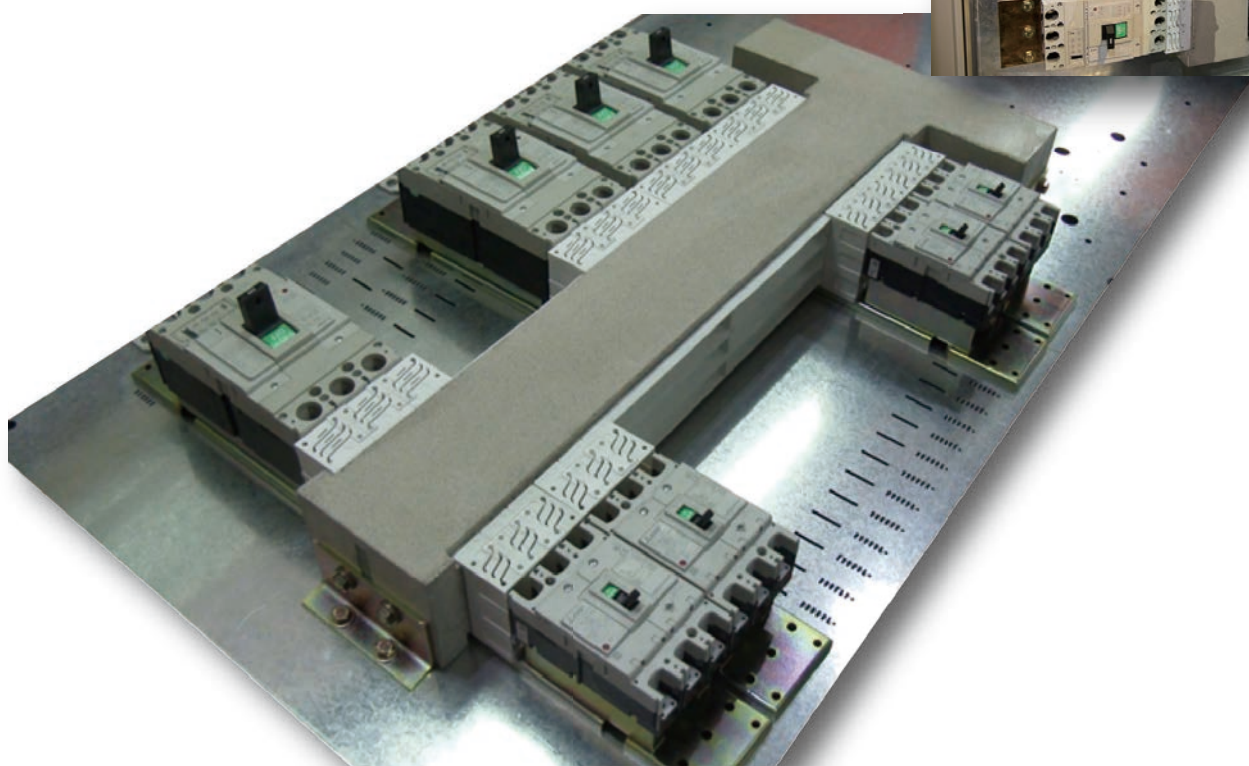
7 Cost-Saving

- Lower total cost (installation, maintenance and modification)
- Secure wide gutter space, easy maintenance and wiring work



Main bus construction

- Main bus capacity: Max. 1200A
- Plug-in slots: 12P-60P
- Main bus is fully encapsulated by epoxy resin (Class B 130°C) with high insulation performance and short circuit strength.
- The live connectors are protected by insulator, finger safe.

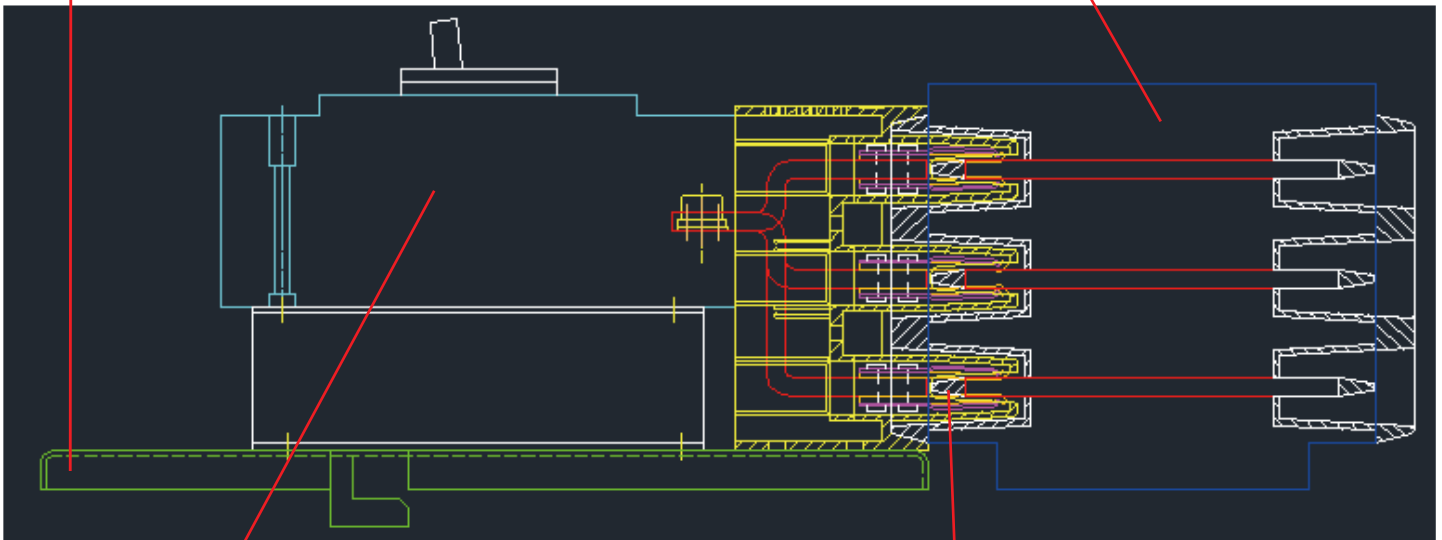


Branch breaker design

- Rated current: 15A – 630A
- Branch breaker can be removed or inserted while main power on not to interrupt with other branches in line
- Connections are “clapping” type to ensure firm grip against high short-circuit

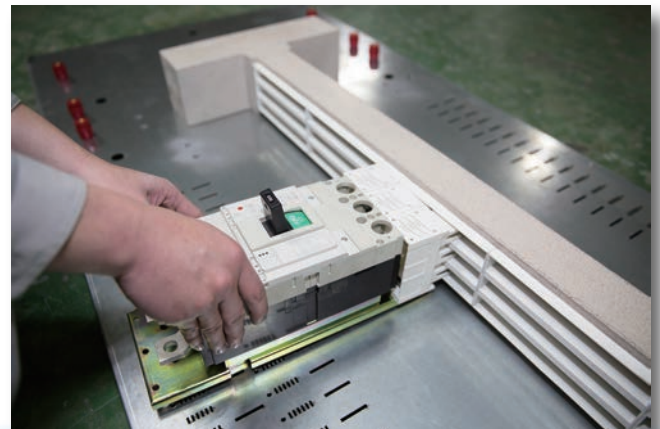
◆ Circuit breaker mounting bracket is pre-assembled in factory to significantly reduce installation time on site

◆ Tailer-made supporting slots to prevent improper insertion
 ◆ Best in class insulator made of PBT protection against arc flash



◆ Branch breaker can be a variety of brands (ABB, Eaton, GE, Mitsubishi, Siemens, etc.) or options per customer’s request.
 ◆ Adding or removing a breaker can be done as little as 20 seconds with a screw driver

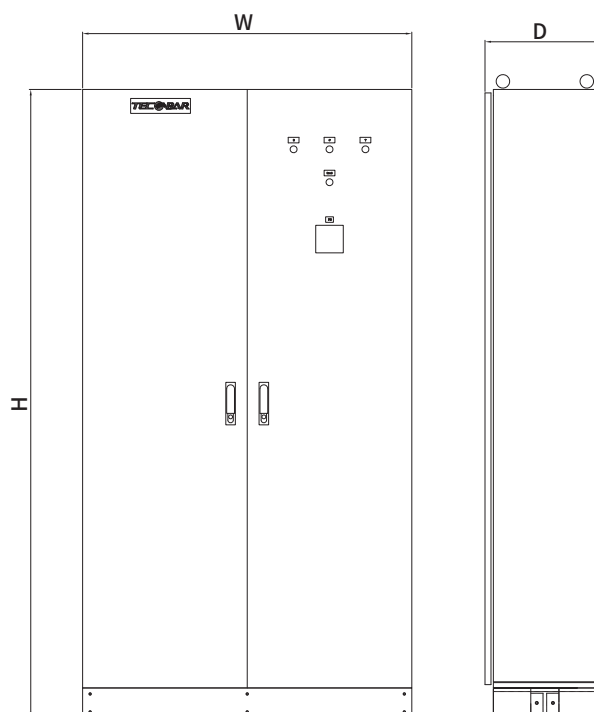
◆ Jaws are lubricated and tin-plated or silver-plated for the most reliable electrical contact



Technical specification

General Data						
Standards	IEC61439-2 , IEC60529					
Model	TL02	TL04	TL06	TL08	TL10	TL12
Rated Current (A)	250A	400A	600A	800A	1000A	1200A
Short Circuit Rating (kA/415V)	40	40	70	70	80	80
Rated Voltage (V)	690					
Main Type	50/60					
Frequency (Hz)	MCCB TYPE					
Main Bus						
Model	B04	B04	B08	B08	B12	B12
Conductor Material	Copper					
Insulation Material	Epoxy cast resin					
Insulation Class	B CLASS 130°C					
Pole Number	12P/24P/36P/48P/60P					
Branch MCCB Breaker						
Pole	1P/2P/3P					
MCCB brands	Compatible with all major brands					
Enclosure						
Type	Wall mounted / Floor mounted					
Protection Rating	IP42 standard, IP55 optional					
Color	MUNSELL 5Y 7/1					
Size (WxHxD) (mm)*	900x2100x400	900x2100x400	1100x2100x400	1100x2100x400	1200x2200x400	1200x2200x400
Weight (without branch breaker) (kg)*	263	265	317	320	380	380

*Standard size with 48P



Applications

De-energizing the panelboard to add, remove and modify breakers is no longer necessary with TECOBAR's T-LINE power distribution panelboard. T-LINE is most ideal for facilities with continuous operation such as high-tech businesses, biotech laboratories, hospitals and data centers which requires 24/7 without power interruption.

	Commercial	Industrial	O.E.M	Utility
	<ul style="list-style-type: none"> * Office Buildings * Shopping Malls * Retail Stores * Super Market * Nursing Homes * Hospitals 	<ul style="list-style-type: none"> * Automotive * Pulp & Paper * All Manufacturing Facilities 	<ul style="list-style-type: none"> * Panelboard Assemblers * HVAC 	<ul style="list-style-type: none"> * Equipment Rooms * Power Generation Facilities
Safety IP rated	✓	✓	✓	✓
Flexibility Modify loading without interruption	✓	✓	✓	✓
Cost Saving Quick turnaround	✓	✓	✓	✓
Simple Maintenance Easy reconfiguration	✓	✓	✓	✓

Product certifications

DEKRA Type Test Certified
ISO 9001:2015 / 14001:2015 Certified





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TECO



We reserve the right to change, at any time and
without prior warning the technical specification
of any product illustrated in this catalogue.

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