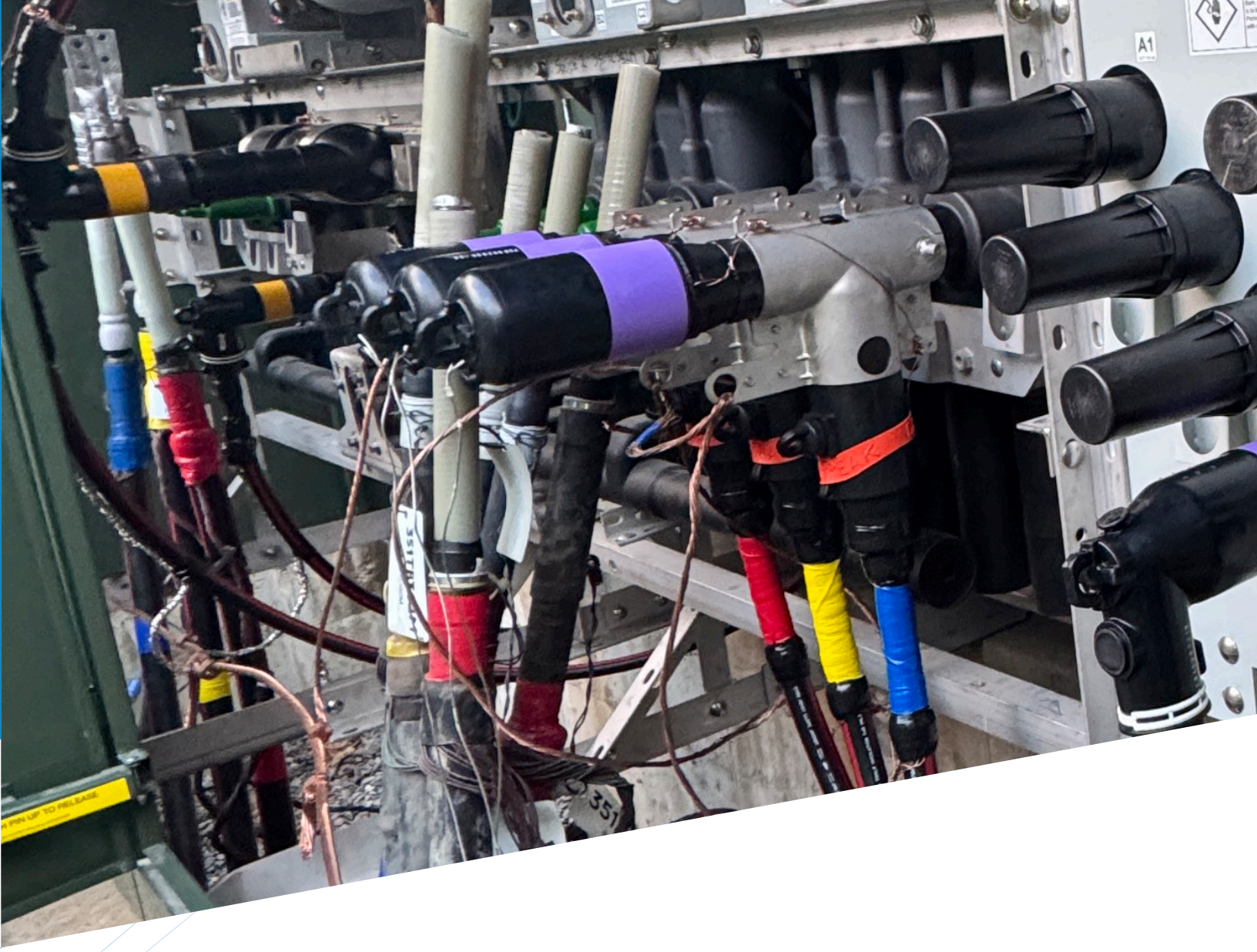


Junction Bars and Sectionalizing Cabinets

G&W Electric

Engineered to order. Built to last.

Junction bars and sectionalizing cabinets provide an extremely compact, versatile solution for loop, tap, grounding, testing or sectionalizing applications through 35kV, 900A. Padmount, vault and subsurface designs are available.

APPLICATIONS

Customizing Capability – G&W Electric specializes in custom solutions to meet the ever-changing needs of its customers.

Application Versatility – Epoxy junctions accommodate up to six-point configurations with any combination of 200A or 600A interfaces for load break elbows.

- Helps eliminate or minimize the need to stack 200A taps on 600A elbows, making them ideal for confined-space installations.
- Flexible design allows for the integration of interface points for grounding or circuit testing while minimizing cable movement.
- Junction points can also be used for arrester placement.

Rugged Construction – Epoxy quality process utilizes time-proven epoxy resin to ensure a void-free, highly durable system that is impervious to environmental contamination.

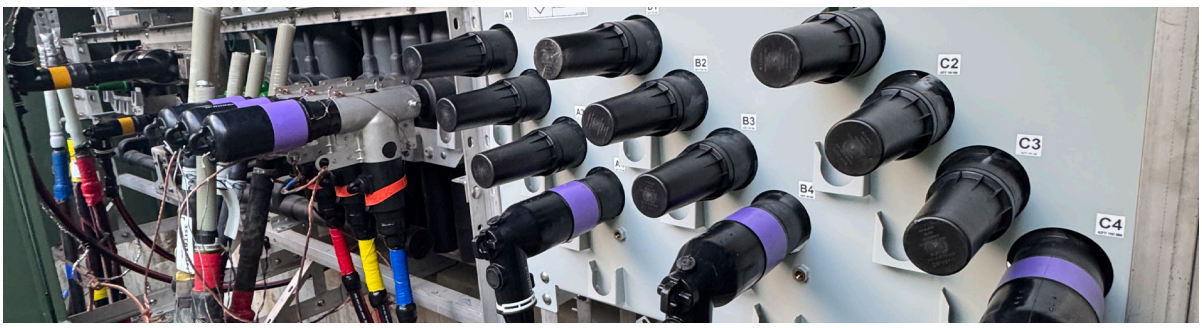
- Rugged epoxy interfaces reduce the breaking force required for removing separable connectors compared to rubber-to-rubber junctions.
- The epoxy system offers excellent mechanical and electrical properties, fracture toughness, and thermal endurance.
- A permanently bonded, external semi-conducting coating provides a fully shielded, dead-front system.
- Copper buswork ensures maximum conductivity, while silicone bronze studs provide high-strength connection points.

Mounting Flexibility – An optional stainless steel mounting bracket with a tilt feature facilitates optimal mounting configurations where cable training is a concern.

- Parking stands are available and can be rotated for vertical or horizontal configurations.
- A retaining plate with “U” straps is available for padmount enclosure installations.

Tested Reliability – Junctions are designed and tested to applicable sections of IEEE 386 and IEEE 592 standards.

- Production tests include X-ray, corona, partial discharge, and AC withstand testing.



G&W Electric padmount solution with multi-way Trident® solid dielectric switchgear (shown on left) and 4-position junction bar (shown on right) in common enclosure application.

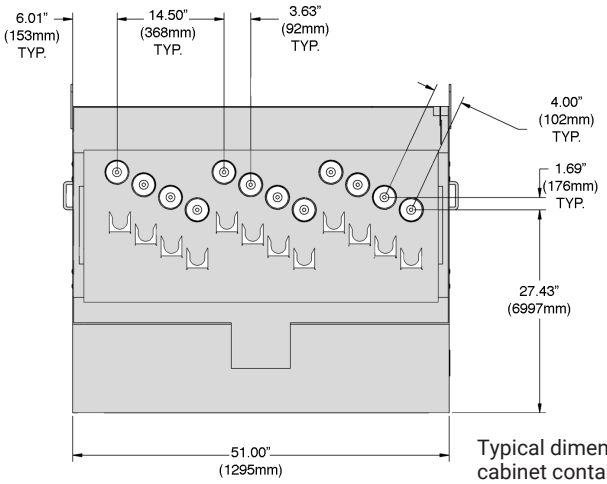
Multiple Point Junctions

RATINGS

Voltage Class (kV)	15	25	35
Voltage Rating Phase-to-ground (kV)	8.3	15.2	21.1
Voltage Rating Phase-to-phase* (kV)	14.4	26.3	36.6
BIL Impulse (kV)	95	125	150
Continuous Current (A)	900	900	900
One Minute AC Withstand (kV)	34	40	50
Fifteen Minute DC Withstand (kV)	53	78	103
Corona Extinction at 3 pc sensitivity (kV)	11	19	26

** For sectionalizing cabinets only*

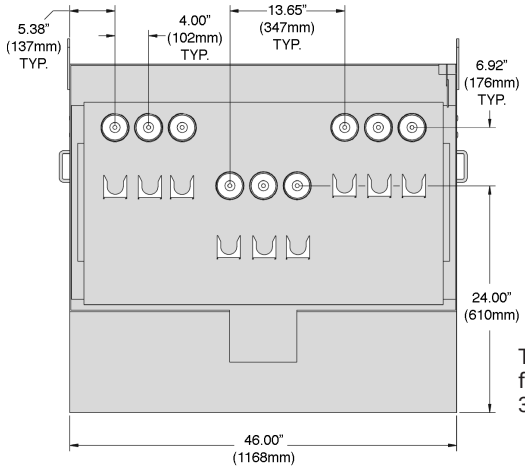
SECTIONALIZING CABINETS



Typical dimensions for cabinet containing three 4-position junction bars.



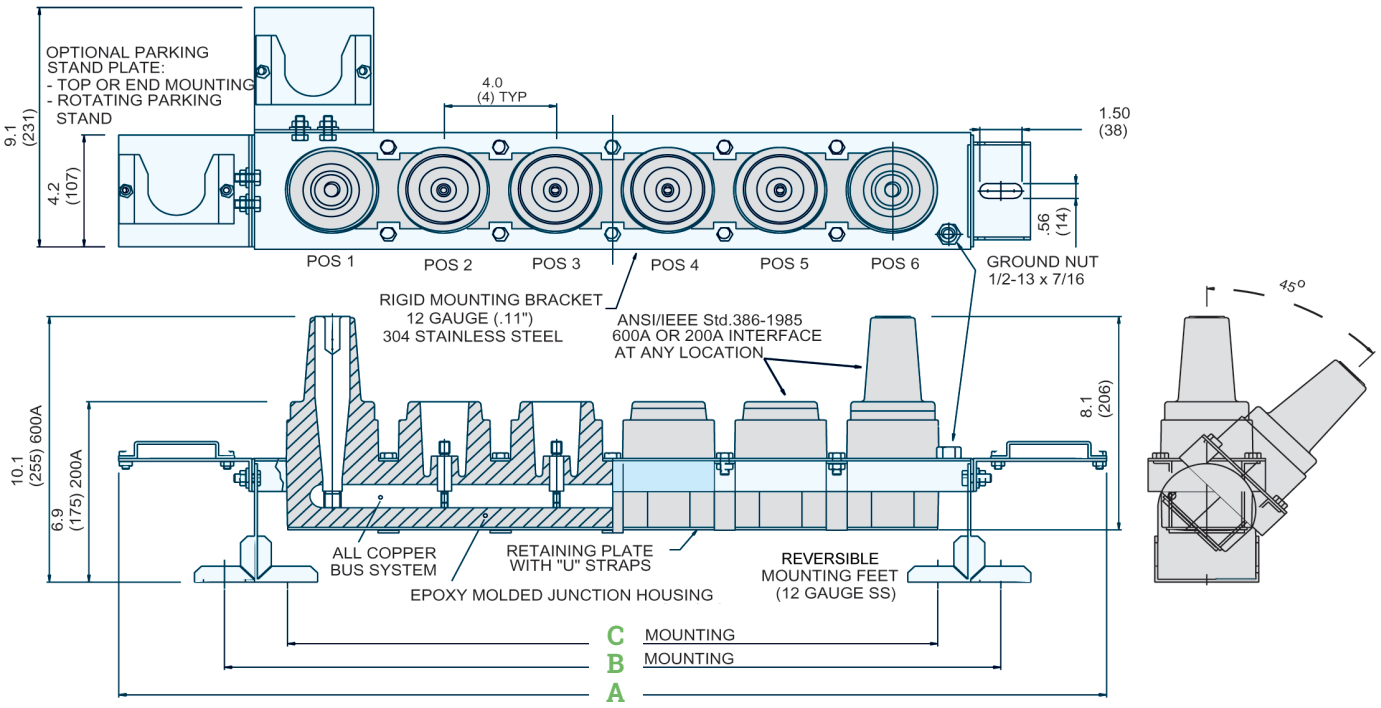
Cabinet with three 3-position junction bars



Typical dimensions for cabinet with three 3-position junction bars.



Junction bar configurations



No. of Positions	Model No.	Inches (mm)		
		A	B	C
3	JB3	23.3 (592)	15.7 (399)	11.2 (284)
4	JB4	27.3 (693)	19.7 (500)	15.2 (386)
5	JB5	31.3 (795)	23.7 (602)	19.2 (488)
6	JB6	35.3 (897)	27.7 (704)	23.2 (590)

Ordering Information

JB 6 6 2 2 2 2 6 1 5 P

Junction Bar
(Insert PME-3-JB for sectionalizing cabinet)

No. of Positions
3, 4, 5 or 6

Interface Position (up to 6)
2 = 200A
6 = 600A
B = Blank

Voltage Class (kV)
15
25
35

Mounting Options
U= U straps and retaining plate only.
P= Stainless steel mounting bracket and parking stands (includes 2 stands packaged separately).

Example 1: Vault mounted, 15kV, 6-position with 600A interface on positions 1 and 6, 200A interface on positions 2, 3, 4 and 5, with mounting bracket and parking stand option. Catalog number would be JB662222615P.

Example 2: Sectionalizing cabinet, 25kV, 5-position with 600A interface on positions 1 and 2, 200A interface on positions 3, 4 and 5. Catalog number would be PME-3-JB56622225P.

Contact us today

1+708.388.5010 or info@gwelectric.com

G&W Electric

Engineered to order. Built to last.

Since 1905, G&W Electric has been a leading provider of innovative power grid solutions including the latest in load and fault interrupting switches; reclosers; sensors; system protection equipment; power grid automation; transmission and distribution cable terminations; and joints and other cable accessories. G&W Electric is headquartered in Bolingbrook, Illinois, U.S.A., with manufacturing facilities and sales support in more than 100 countries, including Canada, Italy, China, Mexico, Brazil, India and Singapore. We help our customers meet their challenges and gain a competitive edge through a suite of advanced products and technical services.

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