

powerbox[®]

PANELBOARD 22-0 SERIES

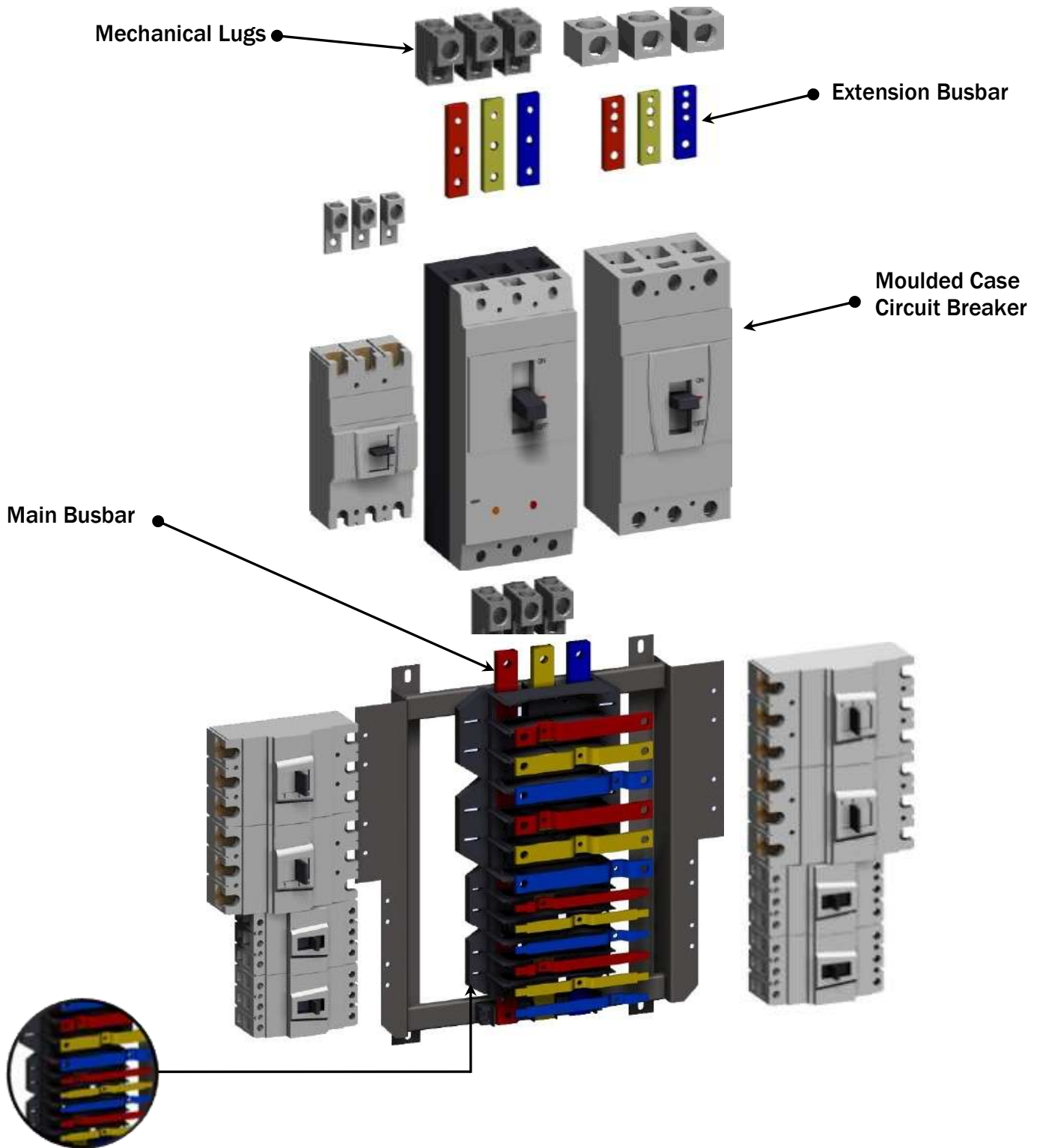


- 100% Galvanized Materials, offers better resistance to corrosion.
- Manufactured using State-of-the-Art CNC Machines for precise and accurate punching, cutting, and bending of metal parts.
- Powder coated finish with pure polyester paint.
- Customized moulded insulator.



CERTIFICATION
INTERNATIONAL

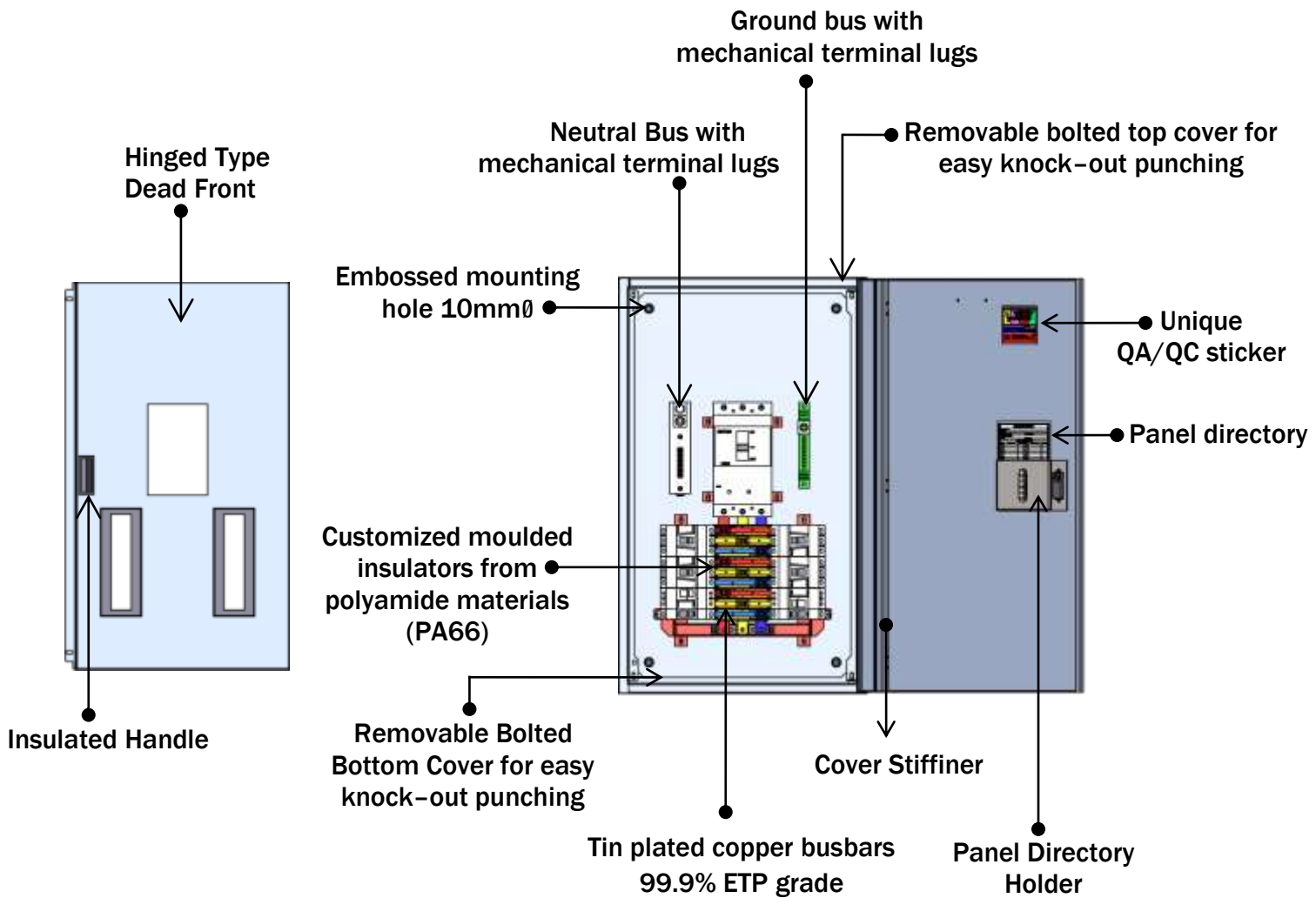
ISO 9001:2015
CERTIFIED COMPANY



Customized moulded insulator from polyamide materials (PA66)

- Modular assembly.
- Longer creepage distances between conducting parts.
- Built-in perfect fitting inter-phase barriers adding safety to the user.
- Abrasion and thermal resistant.
- High level of hardness and stability.
- Flame retardant and self-extinguishing properties.

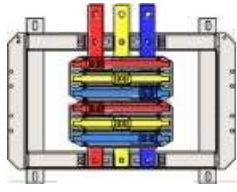




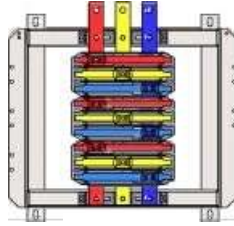
Technical Specifications

Degree of Protection	: IP41 (Indoor)
Max. Rated Current	: Up to 630 Amps
Max. Rated System Compatibility	: 480 VAC
	: 1 Phase + N + G
	: 3 Phase + N + G
Mounting Type	: Wall-mounted
Busbar Material	: Tin-plated copper busbars 99.9% ETP grade, oxygen-free, high conductivity
Enclosure	: 100% galvanized materials
Sheet Metal Thickness	: 1.5mm
Paint Finish	: Powder coated finish with pure polyester paint
Painted Coated Thickness	: 80 microns (minimum)
Paint Texture	: Wrinkled
	: Smooth
Color	: RAL 9002 - Beige
	: RAL 7001 - Gray
Customized Moulded Insulator	: Polyamide materials (PA66)

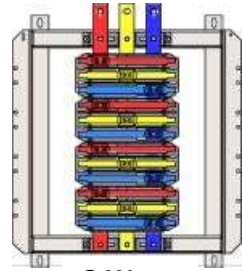
- Main incoming bus available ratings: 100, 250, 400, and 630 Amperes.
- Available in 4, 6, 8, 10, 12, (3 poles) outgoing ways for 100 and 250AF.
- Compatible with various brands of moulded case circuit breakers.



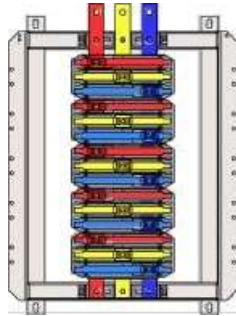
4 Ways
3 Poles



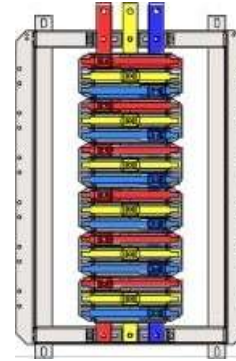
6 Ways
3 Poles



8 Ways
3 Poles



10 Ways
3 Poles

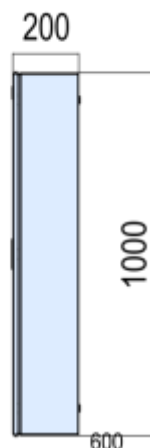
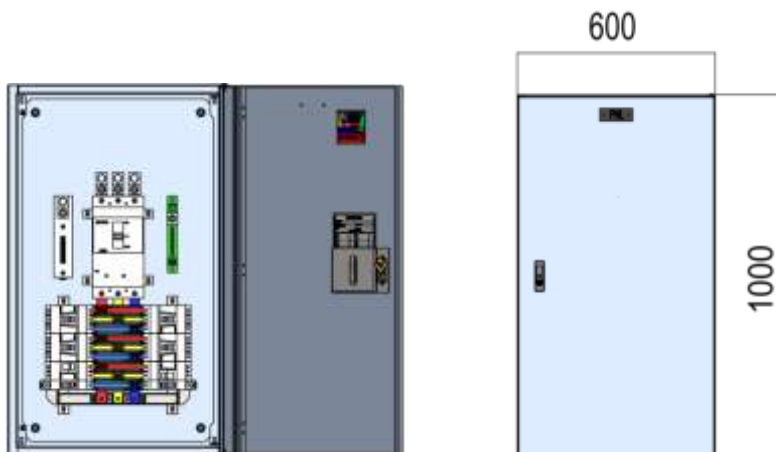


12 Ways
3 Poles

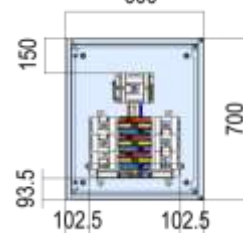
	BZMB2-250					BZMC3-400					LZMN-630				
	4 ways	6 ways	8 ways	10 ways	12 ways	4 ways	6 ways	8 ways	10 ways	12 ways	4 ways	6 ways	8 ways	10 ways	12 ways
Number of outgoing MCCB's 100 A (max.)															
1P	12	18	24	30	36	12	18	24	30	36	12	18	24	30	36
2P	6	9	12	14	18	6	8	12	14	18	6	8	12	14	18
3P	4	6	8	10	12	4	6	8	10	12	4	6	8	10	12

	A2N-250					A3N-400					A3N-630				
	4 ways	6 ways	8 ways	10 ways	12 ways	4 ways	6 ways	8 ways	10 ways	12 ways	4 ways	6 ways	8 ways	10 ways	12 ways
Number of outgoing MCCB's 100 A (max.)															
1P	12	18	24	30	36	12	18	24	30	36	12	18	24	30	36
2P	6	8	12	14	18	6	8	12	14	18	6	8	12	14	18
3P	4	6	8	10	12	4	6	8	10	12	4	6	8	10	12

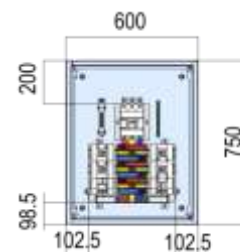
	E2C-250					E2C-400					E2C-630				
	4 ways	6 ways	8 ways	10 ways	12 ways	4 ways	6 ways	8 ways	10 ways	12 ways	4 ways	6 ways	8 ways	10 ways	12 ways
Number of outgoing MCCB's 100 A (max.)															
1P	12	18	24	30	36	12	18	24	30	36	12	18	24	30	36
2P	6	8	12	14	18	6	8	12	14	18	6	8	12	14	18
3P	4	6	8	10	12	4	6	8	10	12	4	6	8	10	12



Main C.B.: 100AF	Dimensions (mm)		
Number of 3 Pole Ways	H	W	D
4 ways	650	600	160
6 ways	700	600	160
8 ways	800	600	160
10 ways	850	600	160
12 ways	1050	600	160

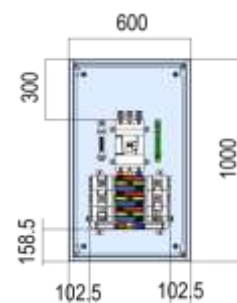


Main C.B. : 250AF	Dimensions (mm)		
Number of 3 Pole Ways	H	W	D
4 ways	700	600	160
6 ways	750	600	160
8 ways	850	600	160
10 ways	900	600	160
12 ways	1050	600	160



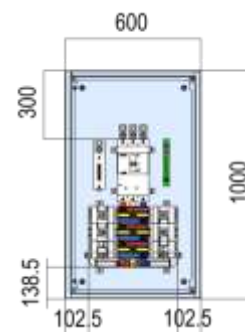
Note: For 250 AF Branch (Minimum width of enclosure - 800 mm)

Main C.B.: 400 AF	Dimensions (mm)		
Number of 3 Pole Ways	H	W	D
4 ways	950	600	200
6 ways	1000	600	200
8 ways	1050	600	200
10 ways	1150	600	200
12 ways	1200	600	200



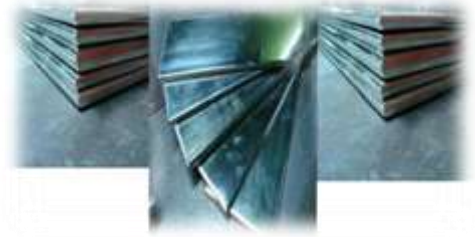
Note: For 250 AF Branch (Minimum width of enclosure - 800 mm)

Main C.B.: 630 AF	Dimensions (mm)		
Number of 3 Pole Ways	H	W	D
4 ways	950	600	200
6 ways	1000	600	200
8 ways	1100	600	200
10 ways	1150	600	200
12 ways	1250	600	200



Note: For 250 AF Branch (Minimum width of enclosure - 800 mm)

- **99. 9% ETP-Grade Tin-plated Copper Busbars**



Better Joint Efficiency

Tin coating applied the surface of the copper busbar is important because it prevents the oxidation at high temperature or in a hostile environment. **powerbox** uses high quality tin-plated copper busbars that result in improvement in efficiency by increasing the jointing surface and reducing the joint resistance.

Extended Long-Life

Tin is a soft white metal which can readily be polished or flow melted to give a bright finish. It is a non- toxic and is not greatly affected by the organic acids. Sulfur compound do not easily tarnish tin. It is not attacked by air or water. Tin-plated copper busbars is protected against atmospheric corrosion hence provided longer life under corrosive atmospheres.

Standards

Copper busbars used were tested to meet international standards such as **JIS 3140, EN 13601, ASTM B187, AS/NZ 1567, TIS 408-1982** as required.

Consistent Tin Coating

A computerized system for measuring thickness of tin coating was conducted and results were recorded in mill test certificate hence, our customers can be assured of consistency of tin coating.

- **Enclosure (100% Galvanized Steel Sheet)**

Galvanized steel sheet has a coating of zinc and aluminum, combining the best properties and offers better resistance against rust and corrosion, even in saline environments.



- **Powder Coating**

Fully-conveyorized powder coating system offers an advance method of applying coat and protective finish to all metal parts. Pure polyester powder paint is electrostatically sprayed on the metal parts/ surface to be coated. The charged powder particles adhere to the electrically grounded metal surface, heated at 200° C in the curing oven for at least 20 minutes, resulting in a uniform 80 microns coating that offers high resistance against environmental corrosion and abrasion.



*“Think Safety,
Think powerbox®
Panelboard 22-0 series”*



Manufacturing Plant Address:

**Total Power Box Solution, Inc.
Cavite Light Industrial Park
Brgy. Maguyam, Silang, Cavite**

Customer Care Service Hotline:

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(046) 460 – 5313**

Technical Service Hotline:

**Mobile : 0922 – 874 – 5355
0917 – 847 – 5699**



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INTERNATIONAL**

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Website:

www.powerboxsolutions.com