High Quality

EasyPanelboard
Quality, Reliability & Safety Guaranteed

Simply Better

• Tin-Plated Copper Busbar 99.9% ETP Grade
• 100% Galvanized materials, offers better resistance to corrosion
• All Metal parts and Busbar works manufactured using state-of-the-art CNC Machines for accuracy & consistency
• Painted finish using fully-conveyorized powder coating system

QUALITY MANAGEMENT SYSTEM FULLY CERTIFIED AS PER ISO 9001:2008
Technical Specifications:

Degree of Protection : IP41
Max. Rated Current   : Up to 630 Amps.
Max. Rated Operational Voltage : 600 VAC
System Compatibility : 1 Phase + N + G
                      : 3 Phase + N + G
Mounting Type        : Wall mounted
Busworks             : Tin-Plated Copper Busbar 99.9% ETP Grade,
                      : Oxygen-Free High Conductivity
Enclosure            : 100% Galvanized materials
Sheet Metal Thickness : 1.6 mm thick
Paint Finish         : Powder coated finish with pure polyester paint
Paint Coating Thickness (Minimum) : 80 microns
Paint Texture        : Spottered
                      : Smooth
Color                : RAL 9003 Beige
                      : RAL 7035 Gray

"Giving full-life to your equipment"
## Enclosure Dimensions (mm)

<table>
<thead>
<tr>
<th>Main C.B.: 100 AF</th>
<th>Dimensions (mm)</th>
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<tbody>
<tr>
<td>No. of 3 Pole Ways</td>
<td>H</td>
</tr>
<tr>
<td>4 ways</td>
<td>650</td>
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<tr>
<td>6 ways</td>
<td>750</td>
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<td>8 ways</td>
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<tr>
<td>10 ways</td>
<td>900</td>
</tr>
<tr>
<td>12 ways</td>
<td>950</td>
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<th>Main C.B.: 250 AF</th>
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<td>No. of 3 Pole Ways</td>
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</tr>
<tr>
<td>4 ways</td>
<td>700</td>
</tr>
<tr>
<td>6 ways</td>
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<td>8 ways</td>
<td>850</td>
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<tr>
<td>10 ways</td>
<td>950</td>
</tr>
<tr>
<td>12 ways</td>
<td>1000</td>
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<tr>
<td>4 ways</td>
<td>900</td>
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<tr>
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<tr>
<td>10 ways</td>
<td>1150</td>
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<tr>
<td>12 ways</td>
<td>1200</td>
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<th>Main C.B.: 630 AF</th>
<th>Dimensions (mm)</th>
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<tr>
<td>4 ways</td>
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<td>6 ways</td>
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<td>1100</td>
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<tr>
<td>10 ways</td>
<td>1200</td>
</tr>
<tr>
<td>12 ways</td>
<td>1250</td>
</tr>
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</table>
Busworks (Tin-Plated Copper Busbars)

99.9 % ETP-GRADE C103
TIN-PLATED COPPER BUSBARS HELPS UPGRADE DESIGN & PROVIDE THE BEST QUALITY FOR PANELBOARDS.

BETTER JOINT EFFICIENCY
TIN COATING APPLIED TO 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 BRIGHT FINISH. IT IS NON-TOXIC AND IS NOT GREATLY AFFECTED BY THE ORGANIC ACIDS. SULPHUR COMPOUND DO NOT EASILY TARNISH TIN. IT IS NOT ATTACKED BY EITHER AIR OR WATER. TIN IS ONE OF THE LESS SUSCEPTIBLE METAL TO CORROSION ATTACK. TIN-PLATED COPPER BUSBAR IS PROTECTED AGAINST ATMOSPHERIC CORROSION HENCE PROVIDE LONGER LIFE UNDER CORROSIVE ATMOSPHERE.

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 THE 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
POWERBOX 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.
Best-in-class low voltage protection from 100 to 630 A

**EasyPact EZC:** The easy choice for simplicity and affordability

**Application**
- Ideal for feeders and sub-feeders in residential, commercial, and marine applications.

**Highly cost effective**
Combines an attractive price point with dependable quality.

**Simplicity**
Multiple connection options:
- Fixed front mounting, plug-in mounting, front connections, bare cables connected through cable lugs, screwed inside the breaker
- Unique “fish bone” connection, space saving especially for marine applications

**EasyPact CVS:** The easy choice for quality and value

**Application**
An excellent choice for feeders and sub-feeders in small and medium industrial and commercial buildings.

**Performance**
Better reliability and safety than competing breakers:
- > Icu = 100% Icu
- > Suitable for reverse feeding applications
- > Adjustable thermal protection
- > Optional insulation fault protection
- > IEC 60947-2 isolation and highly visible contact position ensures the downstream circuit is safe

**Flexibility**
- > Compatible with copper and aluminium connections

### Model Comparison

<table>
<thead>
<tr>
<th>Circuit breakers</th>
<th>EasyPact EZC</th>
<th>EasyPact CVS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EZC100</td>
<td>EZC250</td>
</tr>
<tr>
<td>Current ratings</td>
<td>10-50 A</td>
<td>15-100 A</td>
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<tr>
<td></td>
<td>30-200 A</td>
<td>50-100 A</td>
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<tr>
<td></td>
<td>75-200 A</td>
<td>100-100 A</td>
</tr>
<tr>
<td></td>
<td>125-200 A</td>
<td>150-100 A</td>
</tr>
<tr>
<td>Breaking capacity, kA (xl max) at 440V AC</td>
<td>10 20 25 100 55 50 50 65 100 65 100 65 100</td>
<td>40 70 70 70</td>
</tr>
<tr>
<td>Breaking capacity, kA (xl max) at 380V AC</td>
<td>7.5 10 15 25 36 25 36 36 50 36 50 36 50</td>
<td>30 42 42 42</td>
</tr>
<tr>
<td>Breaking capacity, kA (xl max) at 690V AC</td>
<td>5 7.5 10 20 10 20 25 20 25 36 50 36 50</td>
<td>30 42 42 42</td>
</tr>
<tr>
<td>Number of poles</td>
<td>3 4</td>
<td>3 4</td>
</tr>
<tr>
<td>Breaking time (ms)</td>
<td>3 to 4</td>
<td>3 to 4</td>
</tr>
<tr>
<td>Closing time (ms)</td>
<td>25</td>
<td>25</td>
</tr>
</tbody>
</table>

**Electromagnetic**
- Overload & short-circuit
- CA for overload & short-circuit
- ETS for overload & short-circuit
- Optional VIG module for earth leakage

**Standards**
- IEC 60947-2
- IEC 60947-3
- IEC 60947-3

**Switch disconnectors**
- Not available for this range
- CVS630
- CVS630

**Short-time withstand (kA at 1s)**
- 70 A
- 50 A

**Circuit breakers and switch disconnectors**
- Connection:
  - Fixed front and rear, copper and aluminum compatibility

**Dimensions (H x W x D) (mm)**
- 130 x 60 x 75
- 165 x 60 x 105
- 267 x 109 x 140
- 255 x 140 x 110 (355 x 135 x 113 with VIG)
- 165 x 68 x 140
- 257 x 135 x 185
- 205 x 180 x 110 (355 x 180 x 112 with VIG)

**Auxiliary contacts**
- Yes
- Yes

**Motor protection capability**
- 50 kA
- 50 kA

**Identification**
- 1
- 1

**Certifications**
- GOST, CCC, C33
- GOST, CCC, C33
Certificate of Registration

This is to certify that

Total Power Box Solution, Inc.,
Cavite Light Industrial Park, Phase 2, Block 4, Lot 3 & 4,
Barangay Maguyam, Silang, Cavite, Philippines
operates a quality management system which has been assessed as conforming to
ISO 9001:2008

for the scope of activities

Design, development, manufacture and assembly of electrical
distribution and control equipment (switchgears, panelboards,
motor controllers, electrical transfer switches, capacitor banks,
busway systems, cable trays and wire racks, and telecommunication
components/data racks).

Certificate No. CIP/4617/13/01/790 Issue Date: 07 February 2012
Valid until 07 February 2018

Signed for and on behalf of
Managing Director

Authorized Distributor:

Call us on our:

- Customer Care Service Hotline
  Tel: (02) 806-9716
  (046) 686-5446

- Technical Service Hotline
  Mobile: 0922-874-5355
  0922-811-8120
  0922-812-3619

www.powerboxsolutions.com

The information contained herein is subject to change without prior notice due to continuing research and development.