# 600A Dual-Feed Load Center Frame

## Power :: 10/10 or 12/12 Position Circuit Breaker or Fuse Panel

## Overview

The Telect 600A dual-feed load center frame provides high power capacity in a space-saving 2 RU panel. Engineered for high-density enclosure solutions, the panel is ideal for high current router and primary distribution applications.

The panel provides front access to circuit breakers or fuses, as well as LED indicators. For additional cost-effectiveness, the frame can be configured to fit the specifics of the application; users only order the load connections required for the application, rather than a fully configured panel.

Based on your configuration, each of the 600A feeds provides power for up to 10 output positions, with a broad range of options to fit your requirements. Choose from field-replaceable circuit breakers (single-pole to four-pole) or TPC fuses, up to 100A per position. Holders are also available for installation of TPS/TLS fuses with GMT indicators.

The 600CB10 contains 10 interrupter positions on each side and fits in a 19" rack (an adapter kit can be purchased separately to mount the 600CB10 in a 23" rack).  The 600CB12 contains 12 interrupter positions on each side and fits a 23" rack. Options allow for either vertical or horizontal input cabling; either completely loaded (with single-pole load connections) or completely empty. The panel with horizontal inputs also features a top polycarbonate cover.
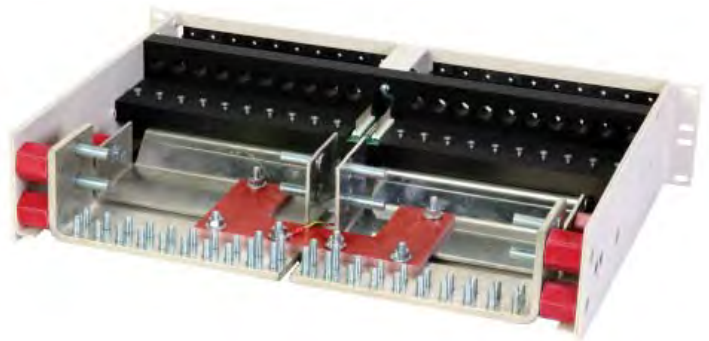
## Primary Benefits

- Handles circuit breakers or fuses to fit a variety of standards and practices
- 600A input and 1A to 400A outputs provide flexible power distribution to secondary panels and to a variety of network elements
- Universal ±24/-48 operating voltage for wireless and central office applications
- UL and NEBS certified
- Open-frame design facilitates heat dissipation

## Applications

- Indoor or outdoor enclosures
- MCPA
- Primary distribution



600CB10 Rear View



600CB10 Front



600CB10-C Rear View

Telect

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## Steps for configuring a panel:

1. Choose vertical or horizontal input
2. Determine the quantity of load connections required (one load connection per populated fuse or circuit breaker position)
3. Choose multi-pole connections if required
4. Select circuit breakers or fuses
   − If fuses, choose TPC or TFD holders
   − If circuit breakers (or fuse holders), select quantity equal to number of load connections
   − Select circuit breaker or fuse amperage values

| 600A Dual-Feed Load Center Frame Panel | Part Number |
|---|---|
| 10/10 load center frame, vertical inputs | 600CB10 |
| 10/10 load center frame, horizontal inputs | 600CB10-C |
| 10/10 load center frame, vertical, loaded | 600CB10-VL |
| 10/10 load center frame, horizontal, loaded | 600CB10-CL |
| 12/12 load center frame, vertical inputs | 600CB12 |
| 12/12 load center frame, horizontal inputs | 600CB12-C |
| 12/12 load center frame, vertical, loaded | 600CB12-VL |
| 12/12 load center frame, horizontal, loaded | 600CB12-CL |
| Adapter kit to mount 600CB10 in a 23" rack | 02117-02+746 |
| Adapter kit for double-pole input[1] | 600XB1X-2FA |

| Load Connections | Part Number | Load Connections | Part Number |
|---|---|---|---|
| Single-pole | 600CB1X-1PK | Triple-pole | 600CB1X-3PK |
| Double-pole | 600CB1X-2PK | Four-pole | 600CB1X-4PK |

| Single-pole Breakers | Part Number | Multi-pole Breakers | Part Number |
|---|---|---|---|
| 30A | 116671 | 125A (2-pole) | 134634 |
| 40A | 116672 | 150A (2-pole) | 134635 |
| 50A | 116673 | 175A (2-pole) | 135921 |
| 60A | 118160 | 200A (3-pole) | 134636 |
| 70A | 118161 | 225A (3-pole) | 134637 |
| 80A | 118162 | 250A (3-pole) | 134638 |
| 90A | 118163 | 400A (4-pole) | 143962 |
| 100A | 118159 | Adapter (1" C-C)[2] | 600CB08-RPK |

| Fuses | TPC | TPS | TLS |
|---|---|---|---|
| 25A | 125441 | 130476 | N/A |
| 30A | 125442 | 130478 | N/A |
| 40A | 125443 | 130482 | N/A |
| 50A | 125444 | 130484 | N/A |
| 60A | 125445 | 130486 | N/A |
| 70A | N/A | 130488 | N/A |
| 75A | 125446 | N/A | N/A |
| 80A | N/A | N/A | 140640 |
| 90A | 125447 | N/A | 140641 |
| 100A | 125448 | N/A | 140642 |
| 125A | 125449 | N/A | 140644 |
| TPC fuse holder[3] | | 129347 | |
| TFD fuse holder (for TPS/TLS fuses)[3] | | 129816 | |
| Fuse holder cover[4] | | 600CBXX-CFK | |

## Specifications

| Electrical | |
|---|---|
| Nominal voltage | ±24 VDC and -48 VDC |
| Input rating | 600A |
| Max. input interrupt device | 750A |
| Max. output protect device | 100A single-pole breaker<br>175A double-pole breaker<br>250A triple-pole breaker<br>400A four-pole breaker<br>125A TPC fuse<br>70A TPS fuse<br>125A TLS fuse |

| Mechanical | |
|---|---|
| Dimensions<br> Width:  600CB10 (all models)<br>          600CB12 (all models)<br> Height:<br> Depth: | 19-in (483 mm)<br>23-in. (584 mm)<br>3.5-in. (88 mm)<br>12-in. (305 mm) |
| Weight (without packaging and accessories) | 600CB10:  18 lbs. (8.2 kg)<br>600CB12:  22 lbs. (10 kg)<br>600CB10-xL:  21 lbs. (9.5 kg)<br>600CB12-xL:  25 lbs. (11.3 kg) |
| Weight, shipping | 600CB10:  25 lbs. (11 kg)<br>600CB12:  30 lbs. (14 kg)<br>600CB10-xL:  28 lbs. (12.7 kg)<br>600CB12-xL:  33 lbs. (15 kg) |
| Material and finish | Cold-rolled steel; white powder coat |
| Mounting | 600CB10:  19" 600CB12:  23" rack, flush-mount |

| Environmental | |
|---|---|
| Temperature | -5° C to 55°C |
| Humidity | 0 - 90%, non-condensing |

| Connections | |
|---|---|
| Input terminals | 3/8-16 studs on 1" centers, accept up to 750 kcmil lugs, max. width 1.94" |
| Output terminals | Single-pole:  1/4-20 studs on .625" centers; lugs up to .625" wide<br>Double-pole: 1/4-20 studs on .625" centers; lugs up to 1.7" wide<br>Triple-pole:  3/8-16 studs on 1" centers; lugs up to 1.7" wide<br>Four-pole:  3/8-16 studs on 1" centers; lugs up to 2" wide |
| Return terminals | 1/4-20 studs on .625" centers; lugs up to .650" wide |
| Chassis ground | 1/4-20 pem nuts, bolt-on connection on .625" centers; lugs up to 2" wide; ground on both sides of chassis |

| Alarms | |
|---|---|
| Indicators | Power and fuse (critical, major, minor) |
| Type | Form C |

| Compliance | |
|---|---|
| Agency compliance | UL Recognized, NEBS 3 |

1 Two kits are required for dual feed inputs.
2 Required when using the 600CB1X-3PK or 600CB1X-4PK.
3 Holder kits contain fuse holder, cover and fasteners.
4 Load connection kits contain receptacle, strap assembly and lug fasteners.

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