

600A Dual-Feed Load Center Frame

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

Overview

Telect's 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 to 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.

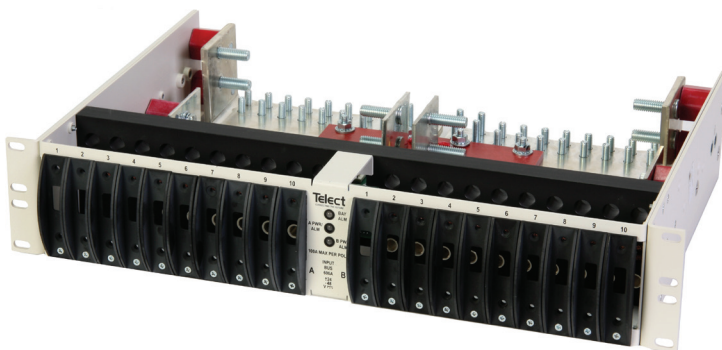
Options allow for either vertical or horizontal input cabling; either completely loaded (with single-pole load connections) or completely empty. The panel with horizontal inputs also features a top polycarbonate cover.

Primary Benefits

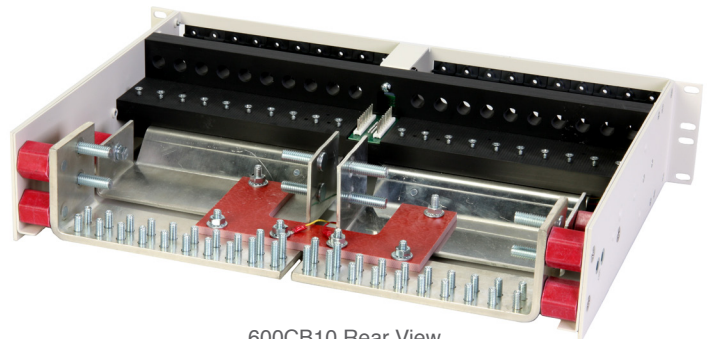
- 19" depth for high density patching and splicing
- Sliding tray offers total front access to terminations
- Multiple bulkhead designs offer internal fiber pass-through and increased density
- Trumpets offer bend radius and jacket protection
- CableLinks+ allow all slack to be managed and stored safely inside the chassis
- Convertible chassis offers more room for installation and visibility after the install
- Slide out designation card tray gives visibility to ports without opening doors
- MTP/MPO cassettes integrated for a plug and play solution

Applications

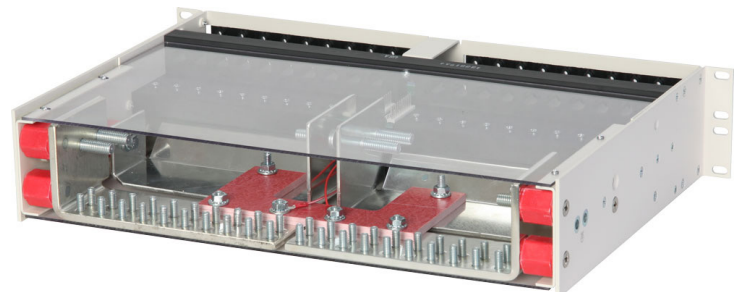
- Data Center
- Main Distribution Areas
- Horizontal Distribution Areas
- Equipment Distribution Areas
- Central Offices



600CB10 Front



600CB10 Rear View



600CB10-C Rear View

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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

Panels	Part Number
600A Dual-feed 10/10 load center frame, vertical inputs	600CB10
600A Dual-feed 10/10 load center frame, horizontal inputs	600CB10-C
600A Dual-feed 10/10 load center frame, vertical, loaded	600CB10-VL
600A Dual-feed 10/10 load center frame, horizontal, loaded	600CB10-CL

Load Connections

Single-pole	600CB1X-1PK
Double-pole	600CB1X-2PK
Triple-pole	600CB1X-3PK
Four-pole	600CB1X-4PK

Single-Pole Circuit Breakers

30A	116671	40A	116672
50A	116673	60A	118160
70A	118161	80A	118162
90A	118163	100A	118159

Multi-Pole Circuit Breakers

125A	134634	200A	134636
150A	134635	225A	134637
175A	135921	250A	134638
Adapter (5/8" C-C)	600CB08-2PK	400A	143962
Adapter (1" C-C)	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
TPC fuse holder		129347	
TFD fuse holder for TPS/TLS fuses		129816	
Fuse holder cover		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 175A double-pole breaker 250A triple-pole breaker 400A four-pole breaker 100A TPC fuse 70A TPS fuse 100A TLS fuse

Mechanical

Dimensions	19" W x 3.5" H (482.6 mm x 88.9 mm)
Weight	23 lbs.
Material	Cold-rolled steel
Finish	White, powder coat
Mounting	19" 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 2"
Output terminals	Single pole: ¼-20 studs on .625" centers; lugs up to .650" wide Double pole: ¼-20 studs on .625" centers; lugs up to 1.4" wide Triple pole: 3/8-16" studs on 1" centers; lugs up to 1.7" wide Four pole: 3/8-16" studs on 1" centers; lugs up to 2" wide
Return terminals	¼-20 studs on .625" centers; lugs up to .650" wide
Chassis ground	¼-20 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
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