

DPU1U SERIES

UNIFLEX® COMBINATION PANELS

Breakers | Fuses | LVD

DESCRIPTION

UNIPOWER's UNIFLEX® distribution panels provide the ultimate flexibility in combining fuses, circuit breakers and/or an LVD in a dual (A/B) panel. A GMT section provides 10 fuses and a circuit breaker section, 1-6 breakers.

A low-voltage disconnect section is configured at the factory for either battery or load disconnect and can have an optional bypass switch. A battery circuit breaker is standard.

Each A and B section has an LED alarm indicator and Form C relay contacts.

The A and B Sections are isolated and can be configured independently at the factory for 12, 24 or 48 VDC, positive or negative ground.

The panels are only one mounting position (1.75 inches) high and come with brackets that permit mounting in either a 19- or 23-inch relay rack. They can be mounted from the front of the rack with offsets every quarter-inch from front to back to align with existing rack mounted equipment.

THREE YEAR WARRANTY

SAFETY CERTIFICATIONS

UL1950
CSA22.2, No. 950-95

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AVAILABLE CONFIGURATIONS

BASE MODEL	SIDE	TOTAL AMPS	TYPE
DPU1U	A	80 150	10 x GMT Fuses 1-6 x Breakers
	B	80 150 70	10 x GMT Fuses 1-6 x Breakers 1 x LVD

Note: Each side of the panel can be configured for only one of the available 'types' as shown. To specify a complete model number see the configuration guide on the following page.

FEATURES

- ◆ One Mounting Position High: 1.75"
- ◆ 19- or 23-Inch Rack Mounting
- ◆ Dual Section (A/B)
- ◆ Current Capacity per Section: 60A to 150A
- ◆ Operating Voltage: 12, 24 or 48VDC
- ◆ Positive or Negative Ground
- ◆ A & B are Isolated Loads
- ◆ LED Alarm Indicators
- ◆ Form C Relay Contacts, Each Side
- ◆ Combination of GMT Fuses, Breakers, LVD
- ◆ 1A to 50A Circuit Breakers
- ◆ LVD has Battery Circuit Breaker
- ◆ LVD in Series with Battery or Load
- ◆ Rack Offset Every ¼" from Front to Back

SPECIFICATIONS

Typical at 25°C Unless Otherwise Noted.

INPUT / OUTPUT
 Fuse & Breaker Capacity.....80A or 150A Per Bus
 LVD Capacity.....70A
 Fuse Configuration.....10 GMT Fuses
 Breaker Configurations.....1 to 6 Breakers
 Voltage
 48V Nominal.....42-60VDC
 24V Nominal.....21-30VDC
 12V Nominal.....10.5-15VDC
 Polarity.....Positive or Negative Ground

ALARMS
 Alarm Indicator.....LED on Each Side
 LED Status
 Fuse & Breaker Sections.....Green = Normal
, Red = Alarm, Off = No Power
 LVD Section.....Red = LVD Contactor or Battery Breaker Open
, Off = Normal

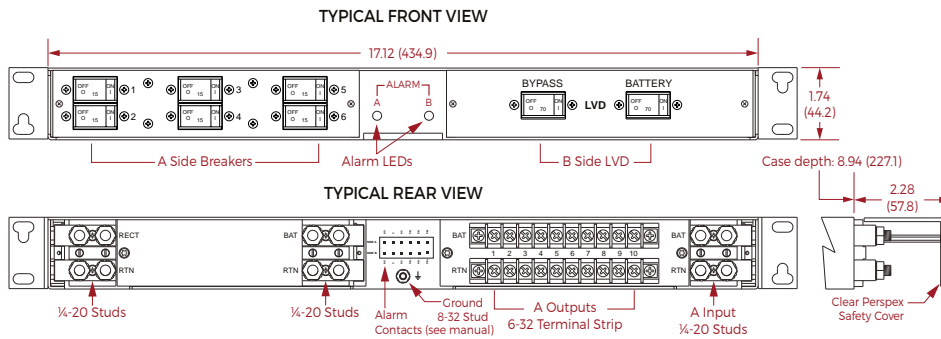
Alarm Connections
 Fuse & Breaker.....Two Form C Relay Contacts Per Bus
 LVD.....Form C Relay Contacts for Disconnect or Battery Breaker

SAFETY STANDARDS.....UL1950, CSA22.2 No.950, EN60-950

ENVIRONMENTAL
 Operating Temp. Range.....-10°C to +70°C
 Storage Temp. Range.....-40°C to + 85°C
 Humidity.....0% to 95%, Non-Condensing

PHYSICAL SPECIFICATIONS
 Case Material.....Steel
 Finish.....Powder Coat Gray
 Dimensions, Inches (mm).....1.75 H x 19.00 W x 9.00 D
(44.5 x 483 x 229)
 Weight.....8.76 - 9.73 lbs. (3.97 - 4.41 kg.)
 Rack Mounting Width.....19 or 23 Inches

CONNECTIONS
 Input Connections.....Crimp Type Lugs or ¼ - 20 Studs
 Output Connections
 Fuse or Breaker.....Barrier Terminal Strips
 LVD.....Crimp Type Lugs or ¼ - 20 Studs
 Battery Connection, LVD.....Crimp Type Lugs or ¼ - 20 Studs
 Chassis Ground Connection.....No. 8-32 Stud
 Alarm Connections.....0.045" sq. Wirewrap Pins



AVAILABLE CONFIGURATIONS



ALL DIMENSIONS IN INCHES (mm)

ORDERING GUIDE

CODE	VOLTAGE (POLARITY)
1	-48V (+Ve Ground)
2	+48V (-Ve Ground)
3	-24V (+Ve Ground)
4	+24V (+Ve Ground)
5	-12V (+Ve Ground)
6	+12V (-Ve Ground)

BREAKERS ³			
CODE	AMPS	CODE	AMPS
F	1	K	20
G	2.5	L	25
H	5	M	30
I	10	N	40
J	15	O	50

Model No.: DPUIU-A -B -C

CODE	TYPE
G	GMT Fuses
B	Breakers

LV DISCONNECT¹

CODE	OPTION ²
S	Bypass Switch
X	No Bypass Switch

- Notes: 1. As shown, only side B can have a low-voltage disconnect, specified by "L".
 2. A bypass switch must also be designated YES or NO.
 3. For a breaker panel, each breaker must be specified with highest current in position 1 down to lowest current in position 6.

INSTRUCTIONS

For each section (A or B) determine the type and voltage and polarity. Use codes from the tables. If a breaker section is specified, insert breaker currents into each box (from 1 to 6 breakers). The B section is specified in the same way as the A section. An LVD can only be specified for the B section. For panels that are not UNIFLEX® (combination), i.e., both A and B are identical, order models **DPGIU**, **DPBIU** or **LVDIU**. Also for full specifications on fuses, breaker or LVD sections, refer to data sheets for these products.

To order GMT fuses see **DPGIU** datasheet.

Crimp type lugs for the input and battery connections should be ordered separately.
 For a kit of 4 two-hole lugs for #6 AWG wire, order code 775-1434-0000.