



DPAC1U SERIES AC CIRCUIT BREAKER PANELS

DESCRIPTION

Unipower Telecom's DPAC1U Series AC circuit breaker panels are companion units to the INV2500 and INV2500-HS Telecom Inverters. They provide AC distribution and overload protection for two to eight circuits. They may also be used with other inverters or AC power sources.

Up to four INV2500 or INV2500-HS inverters may be connected to these distribution panels. Two inverters are connected to each A or B section. Each A or B section has up to four breaker-protected output circuits, or eight total. The maximum output current capacity from each A or B section is 50A, or a total of 100A from both. Individual circuit breaker capacities may be chosen from 5A to 30A for Option T or 5A to 15A for Option C. Any combination of breakers may be selected as long as the total current capacity of 50A for each section is not exceeded. In the standard dual model (with sections A and B) the two sections are connected in common (parallel). An optional model is available with the A and B sections isolated.

There is a choice of barrier terminal strip input and output connectors (Option T) or NEMA 5-15R output receptacles with Positronics input connectors (Option C).

The panels are only one rack space (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 front to back to align with existing rack-mounted equipment.

SAFETY CERTIFICATIONS

UL1950
CSA 22.2, No. 950
EN60-950

TWO-YEAR WARRANTY



DPAC1U



LVD73/23/EEC

AC DISTRIBUTION PANELS

MODEL	SECTIONS	CAPACITY	NO. BREAKERS
DPAC1U-A	A	50A	2-4
DPAC1U-A-B	A & B	100A	4-8

FEATURES

- ◆ One Rack Space High: 1.75"
- ◆ 19- or 23-Inch Rack Mounting
- ◆ Mates with INV2500 or INV2500-HS
- ◆ Terminal Block or NEMA 5-15R Outputs
- ◆ Voltage: 120VAC Nominal
- ◆ Up to 8 AC Circuits with Breakers
- ◆ Single (A) or Dual (A & B) Sections
- ◆ 50A AC Per Section (100A Total)
- ◆ Common or Isolated A & B Sections
- ◆ A & B Can Be Separately Configured
- ◆ AC Breaker Capacities: 5A to 30A
- ◆ Up to 4 Inverter Inputs
- ◆ Rack Offset Every ¼" from Front to Back

SPECIFICATIONS, DPAC1U SERIES

INPUT / OUTPUT

Configuration Single (A) or Dual (A & B) Sections
 Current Capacity 50A Per Section, 100A Total
 No. Circuit Breakers 2 to 4 Per Section, Up to 8 Total
 Breaker Capacity, Option T 5A to 30A
 Option C 5A to 15A
 Voltage 120VAC Nominal

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

ENVIRONMENTAL

Operating Temp. Range 0°C to +50°C
 Storage Temp. Range -40°C to +85°C
 Humidity 0% to 95%, Non-Condensing

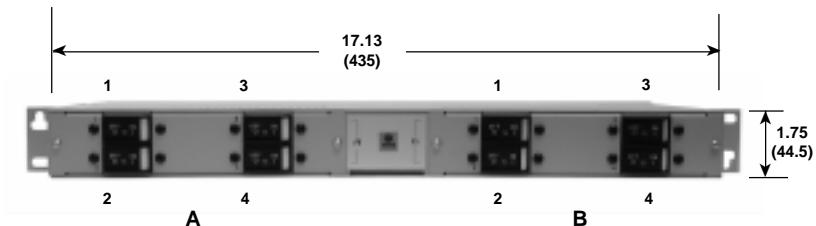
PHYSICAL SPECIFICATIONS

Case Material Steel
 Finish Powder Coat Gray
 Dimensions, Inches (mm) 1.75 H x 17.13 W x 11.00 D
 (44.5 x 435 x 279)
 Weight 10.25 lbs. (4.65 kg.)
 Rack Mounting Width 19 or 23 Inches

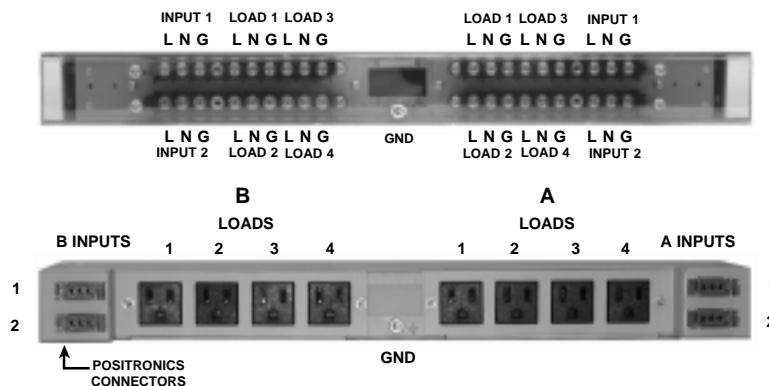
CONNECTIONS

Input /Output Connections Barrier Terminal Strips
 Positronics/NEMA 5-15R
 Chassis Ground Connection No. 8-32 Stud

FRONT VIEW



REAR VIEWS



ORDERING GUIDE

Model No.: DPAC1U □-A □□□□-B □□□□-□

STANDARD
AC BREAKERS

CODE	AMPS
H	5
I	10
J	15
K	20
L	25
M	30

CODE	OPTION
I	Isolated A & B Sections

CODE	OUTPUT OPTION
T	Terminal Strip
C	NEMA 5-15R

See Note 3 above

ALL DIMENSIONS IN INCHES (mm).
 All specifications subject to change without notice.

NOTES:

1. The sum of all breaker currents on either side (A or B) must not exceed 50A and for both sides must not exceed 100A.
2. The maximum current capacity of each of the four inputs is 25A.
3. Terminal strip outputs (Option T) can each carry up to 30 amperes; therefore a circuit breaker can be up to 30A. NEMA 5-15R output receptacles (Option C) can each carry up to 15 amperes; therefore a circuit breaker is limited to 15A.
4. If section B is not ordered, a blank panel is installed at the factory.
5. A clear plastic safety cover over the terminal strips on the rear of the panel of option T is standard and must be kept on the unit when it is operating.
6. The panel can distribute current from 4 INV2500 or INV2500-HS Inverters. It cannot be used with 230VAC INV5000-HS Inverters.

POSITRONICS CONNECTOR

