UNIPOWER’s DPAC1U Series AC circuit breaker panels provide AC distribution and overload protection for two to eight circuits. They may also be used with other inverters or AC power sources.

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.

### FEATURES

- One Rack Space High: 1.75"
- 19- or 23-Inch Rack Mounting
- Terminal Block or NEMA 5-15R Outputs
- Voltage: 120VAC or 230VAC 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

### SAFETY CERTIFICATIONS

- UL60950-1
- CSA22.2, No. 60950-1
- EN60950-1

### DISTRIBUTION PANELS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SECTIONS</th>
<th>CAPACITY</th>
<th>NO. BREAKERS</th>
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<tbody>
<tr>
<td>DPAC1U-A</td>
<td>A</td>
<td>50A</td>
<td>2-4</td>
</tr>
<tr>
<td>DPAC1U-A-B</td>
<td>A &amp; B</td>
<td>100A</td>
<td>4-8</td>
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</tbody>
</table>

See ordering guide to define exact model number to order.
SPECIFICATIONS

Typical at 25°C Unless Otherwise Noted.

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/230VAC Nominal

SAFETY STANDARDS........................................ UL60950-1, CSA22.2 No.60950-1,
ENVIRONMENTAL........................................ EN60950-1
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)............................ 175 H x 1713 W x 11.00 D
.......................................................... (44.5 x 435 x 279)
Weight.................................................... 10.25 lbs (4.65 kg)
Rack Mounting Width.................................. 19 or 22 Inches

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

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.

ORDERING GUIDE
Model: DPAC1U□-□□□□-□□□-□□-□□

### CODE OUTPUT CONNECTIONS

<table>
<thead>
<tr>
<th>CODE</th>
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<tbody>
<tr>
<td>T</td>
<td>Terminal Strip</td>
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<tr>
<td>C</td>
<td>NEMA 5-15R (120VAC)</td>
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### CODE BREAKERS

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<tr>
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<td>H</td>
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<td>L</td>
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### CODE OPTION

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<tr>
<td>T</td>
<td>230VAC</td>
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POSITRONICS CONNECTOR

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