

DESCRIPTION

UNIPOWER's PDUAC1U Series AC power distribution units provide AC distribution and overload protection for 6 circuits distributed through a field wireable terminal block, NEMA 5-15R or IEC60320-C14 outlets. There is also a bulk AC output terminal block for field wiring.

On the distributed outputs the Terminals Block version is fitted with 6 x 20A breakers, NEMA version with 6 x 15A breakers and the IEC version with 6 x 10A breakers. Both the terminal block and IEC versions will operate with 120VAC and 230VAC systems. The NEMA version operates with 120VAC systems only.

These panels are only 1RU high and are supplied with brackets that allow mounting in either a 19" or a 23" frame.



MODEL NUMBERS

MODEL	MAX. CURRENT	NOMINAL VOLTAGE	FREQ. ¹	OUTPUT ²	DISTRIBUTION BREAKERS
PDUAC1U-E	100A	120VAC 230VAC	50/60Hz	IEC60320-C14	6 x 10A
PDUAC1U-N	100A	120VAC	50/60Hz	NEMA 5-15R	6 x 15A
PDUAC1U-T	100A	120VAC 230VAC	50/60Hz	Term. Block	6 x 20A ³

Notes:

1. Determined by the inverters that are used.
2. All models include an additional bulk output with separate breaker.
3. 30A breakers available to special order. Consult sales.

FEATURES

- ◆ 1RU Rack Height
- ◆ 19" or 23" Rack-Mounting
- ◆ IEC, NEMA or Terminal Blocks
- ◆ Bulk Output
- ◆ 100A Total Capacity
- ◆ 120VAC or 230VAC Operation

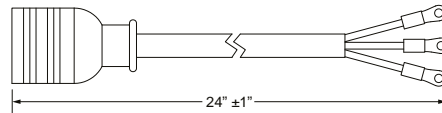
THREE YEAR WARRANTY

SAFETY COMPLIANCE

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

LOCKING CABLE KITS FOR PDUAC1U-T

USER TERMINATION	VOLTS/AMPS	PART NUMBER
L5-20R	120 / 20	775-1498-0000
L6-20R	240 / 20	775-1498-0020
L5-30R	120 / 30	775-1498-0010
L6-30R	240 / 30	775-1498-0030



SPECIFICATIONS

Typical at Nominal Line, Full Load and 25°C Unless Otherwise Noted

INPUT/OUTPUT

Configuration.....	Single Bus
Current Capacity.....	100A Max.
Circuit Breakers	
PDUACIU-E.....	6 x 10A, 1 x 50A
PDUACIU-N.....	6 x 15A, 1 x 100A
PDUACIU-T.....	6 x 20A, 1 x 100A
Operating Voltage Range	
PDUACIU-N.....	85-132VAC
PDUACIU-E, PDUACIU-T.....	85-264VAC
Frequency.....	47-63Hz

ENVIRONMENTAL

Operating Temp. Range.....	-20°C to 70°C
Storage Temp. Range.....	-40°C to +85°C
Humidity.....	0% to 90%, Non-Condensing

PHYSICAL SPECIFICATIONS

Case Material.....	Steel
Dimensions, Inches (mm)	1.7h x 17.3w x 12.9d (43.2 x 439.4 x 327.7)
Rack Mounting.....	19", 1U High
Weight.....	6.6lbs (3Kg)

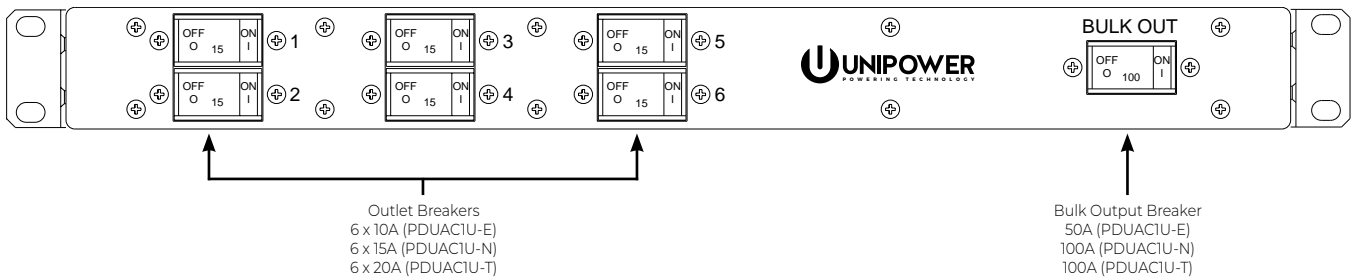
COMPLIANCE

Safety.....	UL60950-1, CSA22.2 No. 60950-1 2nd Ed. EN60950-1 2nd Ed.
Line Conducted Emissions.....	FCC20780 pt.15J Curve A EN55022 Class A
Fast Transient Immunity.....	EN61000-4-4
Surge Immunity.....	EN61000-4-5

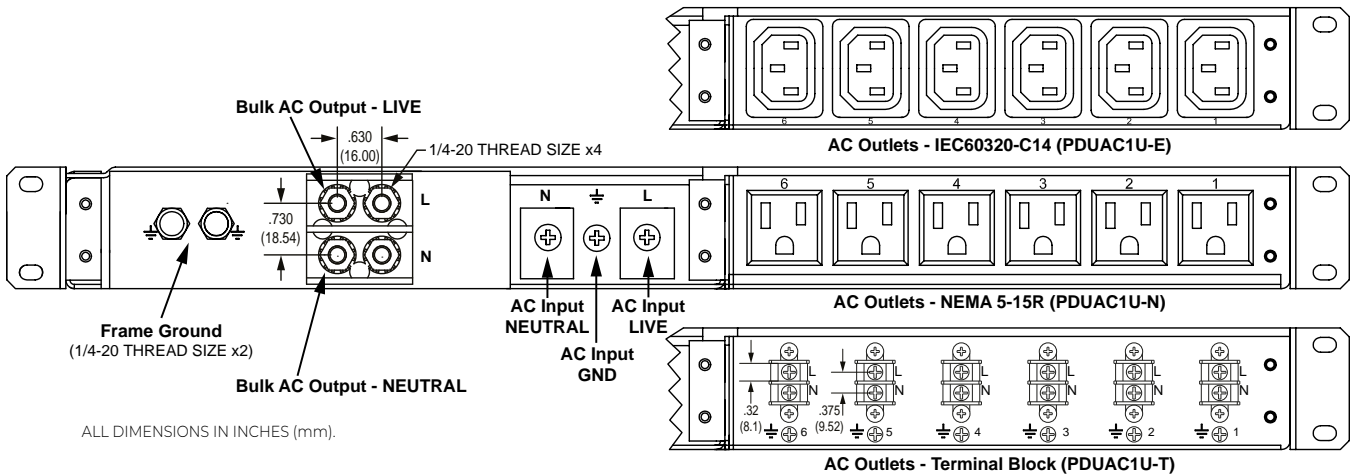
FIELD WIRING CONNECTIONS

Input (L, N, GND).....	No. 8-32 Studs
Terminal Blocks (L & N).....	No. 8-32 Screws (x18)
Bulk Output (L & N).....	No. 1/4-20 Studs (x4)
Frame Ground.....	No. 8-32 Studs (x2)

FRONT VIEW



REAR VIEWS



Input & Bulk Output Cable Installation
 Cables for Bulk Output and Frame Ground enter through a cable access port at the left side as viewed from the rear.

PDUACIU-T Distributed Output Cable Installation
 Cables for the AC Outlets enter through a cable access port at the right side as viewed from the rear.

SAFETY NOTICE

In order to carry out installation of input and output cables it is necessary to remove the pre-installed safety cover (two covers in the case of PDUACIU-T) at the rear of the unit. It is imperative that these are replaced before the unit is powered up.