

# Power Distribution Units (PDUs).

LPPDUs\_PFD\_ENB01W

## Features:

- Ideal for distributing AC power inside Telecom, IT cabinets and racks with world class safety and dependability.
- Allow the neat distribution of organized power with the proper safety.
- Grounded outlets and heavy duty construction.
- Plenty of power cord length, up to 3 m (12 ft).
- Special Surge Protection Block in some models.
- Overcurrent, overvoltage protection, and/or RF filtering in some models.
- Rack mount or surface mount power strip with 3 to 12 outlets. (All accept American and European power plugs).
- Industrial on/off switch with finger guard in some models.
- Mounts easily inside rack, cabinet enclosures or on walls, workbenches, etc.
- 15 Amp thermomagnetic or thermal circuit breaker in some models.
- Tough steel and/or aluminum housing. Built for durability.



## Power Distribution Units (PDUs).

LanPro PDUs are a must when you need to distribute AC power inside your cabinets, racks and enclosures. Available in sizes ranging from 3 to 12 NEMA 5-15R outlets, including both formats horizontal and vertical, or customized to your special needs, like those with other voltages or outlet styles. Heavy duty rubber made power cords facilitate installation. LanPro policies require that components used for manufacture of our PDUs are UL® listed and made upon the best quality standards.

### A Applications

The LanPro Power Distribution Units (PDUs) are excellent choices for powering rack or enclosure mountable equipment used in IT and Telecommunication.

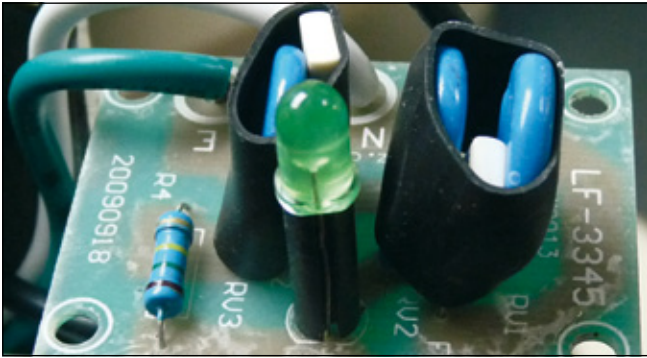
There are several models that complement themselves when powering the hardware. They can be applied in a monophase 125 VAC mains voltage environment and you can design them to cover the majority of the power distribution needs inside 19-inch cabinets, racks, or indoor/outdoor enclosures.

As a typical configuration, the **LP-RU07107PPDU**, the **LP-RU07101PDU**, or the **LP-RU07107PDU** can be used as the main feeder in the back of large cabinets and racks thus protecting the equipment from overcurrent and/or voltage surges and electric noise present in the mains circuit.

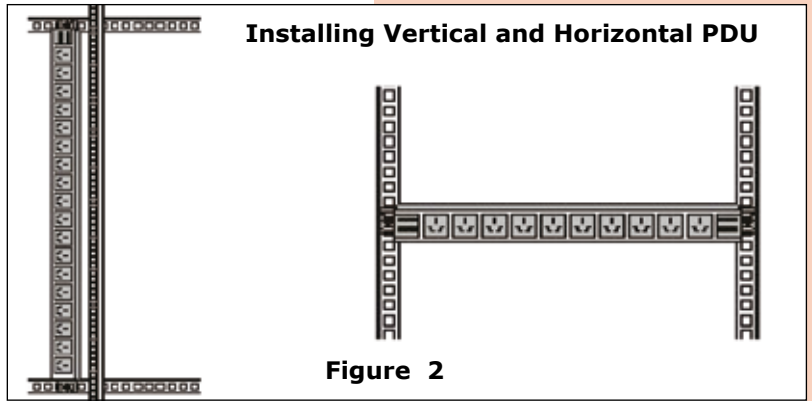
To distribute the power inside a congested rack, a secondary PDU connected to the main feeder could be used, like the **LP-RU0712VPDU** (shown in **Figure 8** and mounted as shown in **Figure 2**), or any of the horizontal mounted PDU available. A 3 m long conductor AWG#16 power cable facilitates the connection to electric distribution floor/ceiling mains outlets.

The **LP-RU07M400PDU** is ideal for applications like Public Address Systems (PA) or to power Telecom equipment asking for flexibility in firing-up every outlet independently from the others.

The **LP-RU07103PDU** is ideal for powering electronic equipment mounted in outdoor/indoor enclosures that require the mains connection through a terminal block.



**Figure 1**



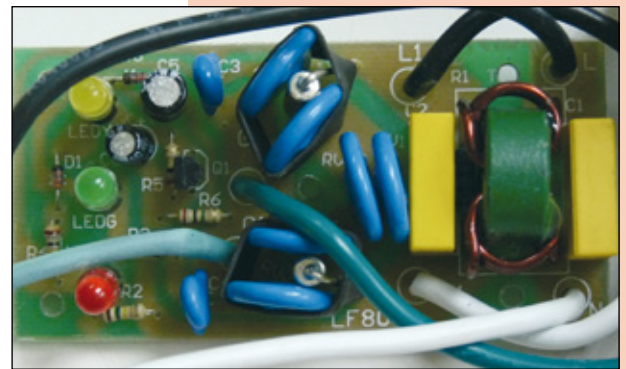
**Figure 2**

**B Special features, models and descriptions**

● **Special Surge Protection Block.**

The LanPro **LP-RU07107PPDU** Power Distribution Unit includes a very special Surge Protection Block shown in **Figure 3**, loaded with features that enhance the PDU characteristics to a high level. The Surge Protection Block includes an information panel with three (3) led indicators: Power (Red), Lightning Protection (Green), Earth (Yellow).

The module's six Varistor set protects user equipment from the three common types of overvoltage surges: Line Neutral, Line-Ground, Neutral-Ground. Each Varistor pair is protected by an over-temperature cut-off device in order to comply with the UL1449 standard. In case of a sustained over voltage, the cut-off devices open the circuit avoiding the thermal runaway of the Varistors and the possibility of fire. RF Noise is also filtered and an over-current protector completes the features of the block.



**Figure 3**

● **LP-RU07101PDU**

This PDU is a 19-inch horizontal, rack mount style, intended for 125 VAC 50/60 Hz service. With six (6) NEMA 5-15R outlets for NEMA 5-15P and ungrounded "C" European equipment plugs. Uses 1 U vertical space and includes one power-ready indicator light, a heavy duty steel body enclosure and a 15 A, 1500 A interrupting capacity thermomagnetic breaker switch with finger guard avoids accidental shut-down of the load. Used mostly as the main feeder in the back of large cabinets and racks. It has a long 10 ft (3 m) 3x AWG#16 oversize rubber cord with ground and NEMA 5-15P plug.



**Figure 4**

● **LP-RU07107PDU**

This Heavy Duty Aluminum Body Power Distribution Unit, with seven (7) NEMA 5-15R outlets, 125 VAC, 50/60 Hz, maximum working current of 15 A, 1875 W of maximum output power, protected with a 15A, 6000 A interrupting capacity thermomagnetic breaker switch with finger guard that avoids accidental shut-down of the load, indicator light. Width: 19", height: 1½ U, and a 3 m 3x AWG#16 grounded power cord terminated with a NEMA 5-15P plug. Operating temperature range: -20 to +60 degrees Celsius.



**Figure 5**



**Figure 6**

● **LP-RU07107PPDU**

Heavy Duty Aluminum Body Power Distribution Unit, with seven (7) NEMA 5-15R outlets, rated for 125 VAC, 50/60 Hz service, maximum working current 15 A, with 1875 W of maximum output power, protected with a 15 A thermal resettable interrupter, lighted rocker switch with finger guard avoids accidental shut-down of the load. Up to 10000 A surge discharge capacity and 350 Joules LN-LG-NG surge energy protection block with information panel with red LED voltage indicator, green LED ground connected indicator, yellow LED surge protection active indication, and common mode HF noise filter. Width: 19", height: 1½ U, and a 3m 3x AWG#16 grounded power cord terminated with a NEMA 5-15P plug. Operating temperature range: -20 to +60 degrees Celsius.

● **LP-RU07M400PDU**

The LanPro LP-RU07M400PDU, Heavy Duty Steel Body Power Distribution Unit, protected with a common 15 A thermal resettable interrupter, has eight (8) NEMA 5-15R outlets individually operated with its corresponding lighted rocker switch, for a full 1875 W aggregated power. It is used mostly as feeder of individually operated loads. For 125 VAC, 50/60 Hz service, with up to 10000 A surge discharge current capability and 350 Joules LN-LG-NG surge energy protection block (as shown in **Figure 3**) with information panel with red LED voltage indicator, green LED ground connected indicator, yellow LED surge protection active indication and common mode HF noise filter. Width: 19", height: 1 U, and a 3m 3x AWG#16 grounded power cord terminated with a NEMA 5-15P plug. Operating temperature range: -20 to +60 degrees Celsius.



**Figure 7**



**Figure 8**

● **LP-RU0712VPDU**

The LanPro LP-RU0712VPDU is a vertical rack mount style power distribution unit, made of heavy duty anodized aluminum enclosure with twelve (12) NEMA 5-15R outlets, for 125 VAC, 50/60 Hz service, with a maximum working current 15 A, and with 1875 W of maximum output power, lighted rocker switch with finger guard that avoids accidental shut-down of the load. Up to 5000 A surge voltage capability and 175 Joules LN-LG-NG surge voltage protection with green surge protection active LED indicator, as shown in **Figure 1**.

For vertical mounting and with a length of 660 mm (between mounting screw centers, making a total of 680 mm), height is 45 mm and depth 55 mm with a 3 m 3x AWG#16 grounded power cord terminated with a NEMA 5-15P plug. Operating temperature range: -20 to +60 degrees Celsius.

● **LP-RU07103PDU**

This surface-mounted PDU with three (3) NEMA 5-15R outlets for 125 VAC 50/60 Hz service is conceived for solving the need for powering electronic equipment inside NEMA enclosures or boxes in the field or in the premises. Mains power is normally feed through electric conduits and directly connected to the three (3) terminal block (L-N-G) in the PDU making this a neat and secure electrical connection.



**Figure 9**

Power Distribution Units (PDUs) Selection Table

LanPro	Height	Length	Outlets	Indicator Light	Breaker	Surge Protection	Finger Guard	Toggle Switch	AC Current Total	Cable Length
LP-RU07101PDU	1 U	19"	6	1	1				15 A	3 m
LP-RU07107PDU	1 ½ U	19"	7		1		1		15 A	3 m
LP-RU07107PPDU	1 ½ U	19"	7	1		Heavy duty Varistors Lighted Surge Info Panel (Figure 3)	1	1	15 A	3 m
LP-RU07M400PDU	1 U	19"	8	8		Varistors (Figure 3)		8	15 A	3 m
LP-RU0712VPDU	1 U	28"	12	X		Varistors (Figure 1)	1		15 A	3 m

## C How to Order

MODEL N°	DESCRIPTIONS
LP-RU07101PDU	Steel Body Power Distribution Unit, six (6) NEMA 5-15R outlets, 125 VAC, 50/60 Hz, maximum working current 15 A, 1875 W of maximum output power, protected with a 15 A thermomagnetic breaker switch with finger guard, 1500 A of interrupting capacity, indicator light. Width: 19", height: 1 U, and a 3 m 3x AWG#16 grounded power cord terminated with a NEMA 5-15P plug.
LP-RU07107PDU	Heavy Duty Aluminum Body Power Distribution Unit, seven (7) NEMA 5-15R outlets, 125 VAC, 50/60 Hz, maximum working current of 15 A, 1875 W of maximum output power, protected with a 15 A, 6000 A interrupting capacity thermomagnetic breaker switch with finger guard, indicator light. Width: 19", height: 1½ U, and a 3 m 3x AWG#16 grounded power cord terminated with a NEMA 5-15P plug.
LP-RU07107PPDU	Aluminum Body Power Distribution Unit, seven (7) NEMA 5-15R outlets, 125 VAC, 50/60 Hz, maximum working current of 15 A, with 1875 W of maximum output power, protected with a 15 A thermal resettable interrupter, lighted rocker switch with finger guard, up to 10000 A surge discharge capacity and 350 Joules LN-LG-NG surge energy protection block with information panel with red LED voltage indicator, green LED ground connected indicator, yellow LED surge protection active indication and common mode HF noise filter. Width: 19", height: 1½ U, and a 3 m 3x AWG#16 grounded power cord terminated with a NEMA 5-15P plug.
LP-RU07M400PDU	Steel Body Power Distribution Unit, with eight (8) NEMA 5-15R outlets individually operated with corresponding lighted rocker switches, 125 VAC, 50/60 Hz with common 15 A overcurrent thermal breaker, with 10000 A, 350 Joules, LN-LG-NG surge voltage protection. Width: 19", height: 1 U, with a 3 m 3x AWG#16 grounded power cord terminated with a NEMA 5-15P plug.
LP-RU0712VPDU	Aluminum Body Power Distribution Unit, with twelve (12) NEMA 5-15R outlets, 125 VAC, 50/60 Hz, maximum working current of 15 A, with 1875 W of maximum output power, lighted rocker switch with finger guard, up to 5000 A surge discharge current capability and 175 Joules LN-LG-NG surge voltage protection with green surge protection active LED indicator. For vertical mounting, length: 660 mm (between mounting screw centers, total: 680 mm), height: 45 mm, and depth 55 mm with a 3 m 3x AWG#16 grounded power cord terminated with a NEMA 5-15P plug.
LP-RU07103PDU	Aluminum Body Power Distribution Unit, three (3) NEMA 5-15R outlets, 125 VAC, 50/60 Hz, maximum working current of 15 A, 1875 W of maximum output power. Mains connection: three position terminal block for L-N-G user installed cable. Indicator light, length: 250 mm, height: 1½ U.