

## PDU METERED BASE 19 INCH, 1 PHASE 16A, 8 C13 LOCKING OUTLETS, IEC-320 C20

Cat. No: 6 461 00



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### 1. KEY FEATURES

Linkeo Data Center intelligent PDUs provide electric power for IT equipment in 19" enclosures. They are connected devices enabling remote access to all measurements and alerts.

- Modular concept : available in 2 versions, NODE version with all functions (controller with LCD screen and LAN connection) and BASE version. Deploy intelligent PDUs without the need to have a PDU controller in every unit.
- Cascading possibilities to save switch ports connections. Daisy-chain up to 31 BASE PDUs downstream to a NODE PDU.
- Hot swappable controller. Allow the replacement on a NODE PDU or the adding on a BASE PDU without powering down connected equipment.
- 2 levels of alerts physically visible on the PDU thanks to LED bar and remotely in Web User interface.
- Metering at inlet and circuit level with +/- 1% accuracy.
- User-friendly and responsive Web User Interface. Data aggregation capabilities in DCIM.
- Each C13 and C19 outlets are numbered and equipped with a cord locking system.
- Equipped with hydraulic magnetic circuit protection. Hydraulic magnetic circuit breakers are not affected by ambient temperature.
- Easy installation thanks to 330° rotating cable input and button-type brackets.

### 2. GENERAL SPECIFICATIONS

|                                     |  |
|-------------------------------------|--|
| Energy Metering                     | Voltage (V), Current (A), Active Power (kW), Apparent Power (kVA), Energy (kWh), Power Factor  |
| Metering Accuracy                   | ±1%  |
| Metering per Input Phase            | Yes  |
| Metering per Branch Circuit Breaker | Yes  |
| Metering per Outlet                 | No   |
| Remote Outlet Switching             | No   |
| With display                        | No   |
| Networking                          | via the Ethernet port of the upstream Node PDU   |
| RS485 Cascading                     | Yes<br>Daisy chain up to 31 BASE PDUs downstream to a NODE PDU by RS485 bus (ethernet RJ45 patchcord).<br>Max length: 250m in total and 30m between each PDU.                  |
| USB Cascading                       | No   |
| Remote management                   | HTTP(s), SSH, Telnet, SNMP version v2/v3, SMTP, JSON-RPC, Modbus over TCP  |
| Built-in processor                  | No   |
| Wireless connectivity               | Yes, Zigbee 2.4 GHz chip embedded  |
| Compatible Sensors                  | Wireless sensors (Green Power)<br>- Temperature/Humidity (cat number 6 460 03)<br>- Contact closure (cat number 6 460 04)<br><br>A maximum of 8 sensors can be paired to 1 PDU |
| Replaceable controller              | Yes<br>- Hot swappable for node<br>- Cold swappable for base   |

**3. INPUT**

|                       |                    |
|-----------------------|--------------------|
| Input Plug            | C20                |
| Cord Length           | No                 |
| Cord Entry            | No                 |
| Cable Type            | No                 |
| Maximum Input Current | 16A                |
| Nominal Input Voltage | 230V, Single-phase |
| Rated Input Voltage   | 200 - 240V         |
| Input Frequency       | 50/60Hz            |
| Power Capacity        | 3.7kW at 230V      |

**4. OUTPUT**

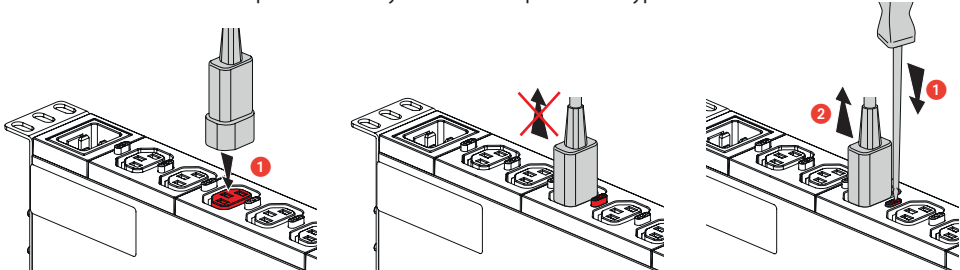
|                        |       |
|------------------------|-------|
| Nominal Output Voltage | 230V  |
| Outlet type            | 8 C13 |
| Cord locking system    | Yes   |
| Cord Retention         | 100 N |
| Circuit breakers       | No    |
| Circuit breakers type  | No    |

**Cable locking system on C13/C19 sockets**

The cable is locked mechanically into the socket to prevent any unintended disconnection (caused by maintenance, vibrations, etc.).

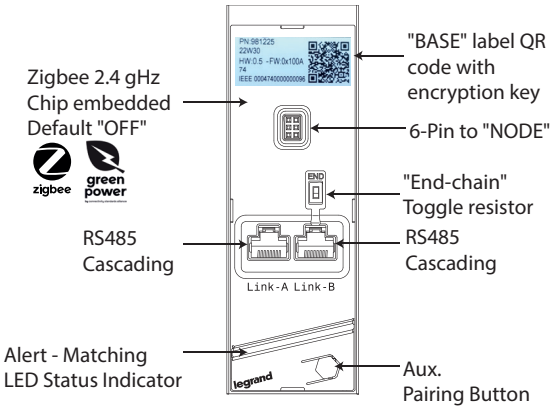
Pull-out force 100 N

This universal solution is compatible with any standard compliant cord type on the market.



## 5. CONTROLLER

### Base

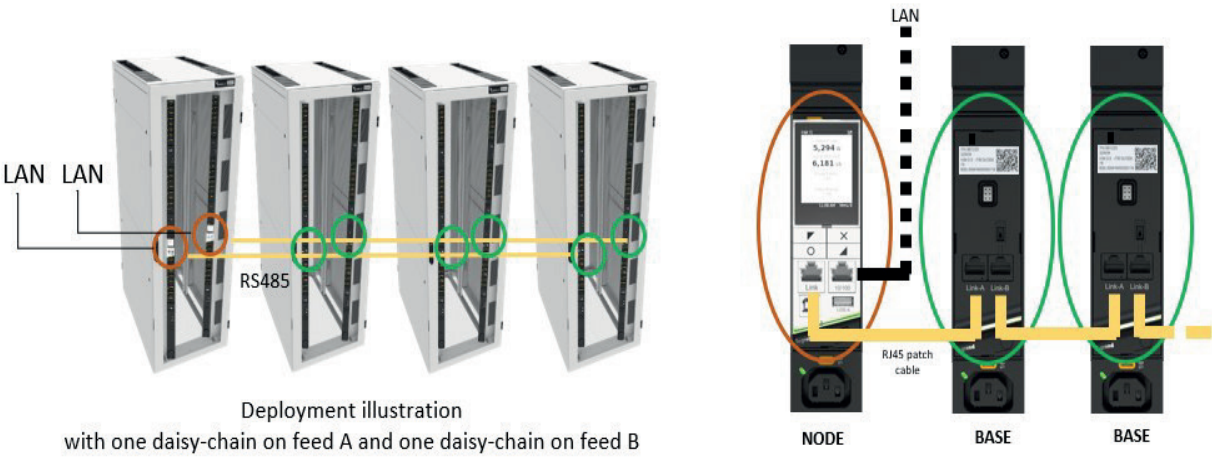


|                                    |  |
|------------------------------------|--|
| Networking                         | Via the NODE controller only   |
| Wireless control (radio frequency) | Button for pairing wireless sensors  |
| LED indicator                      | RGB LED for visual indication and replicating configured alerts<br>● Normal operation<br>● Warning threshold exceeded<br>● Critical threshold exceeded<br>● Wireless sensors pairing in progress |

## 6. CASCADING MODES

### 6.1 RS485 - CASCADING

- **Daisy chain up to 31 BASE PDUs downstream to a NODE PDU** with Cat5e or higher RJ 45 patch cables (RS485 link).
- Only the NODE PDU is connected to your network.
- NODE controller aggregates all BASE units data into its user interface.
- Thresholds and alerts are configured directly in the NODE unit.



- Casings: 6060 T5-R19 natural anodised aluminium.
- Outlet modules:  
PC/ABS  
CW507L (CuZn 36) brass
- Fixing brackets:  
DC01-A-m galvanised steel

|        |  |
|--------|--|
| Color  | Aluminium grey (casing) / black (outlet modules) |
| Casing | 1U, aluminium                                    |
| IP     | 20   |
| IK     | 04   |

|                                   |               |
|-----------------------------------|---------------|
| Storage and transport temperature | -20 to +70°C  |
| Operating temperature             | +5°C to +55°C |
| Operating Relative Humidity       | 5% to 95%     |
| Operating Elevation               | 0 - 2000 m    |

[illegible]

Technical drawing of the 1220x445x115mm cabinet, showing front and side views with dimensions.

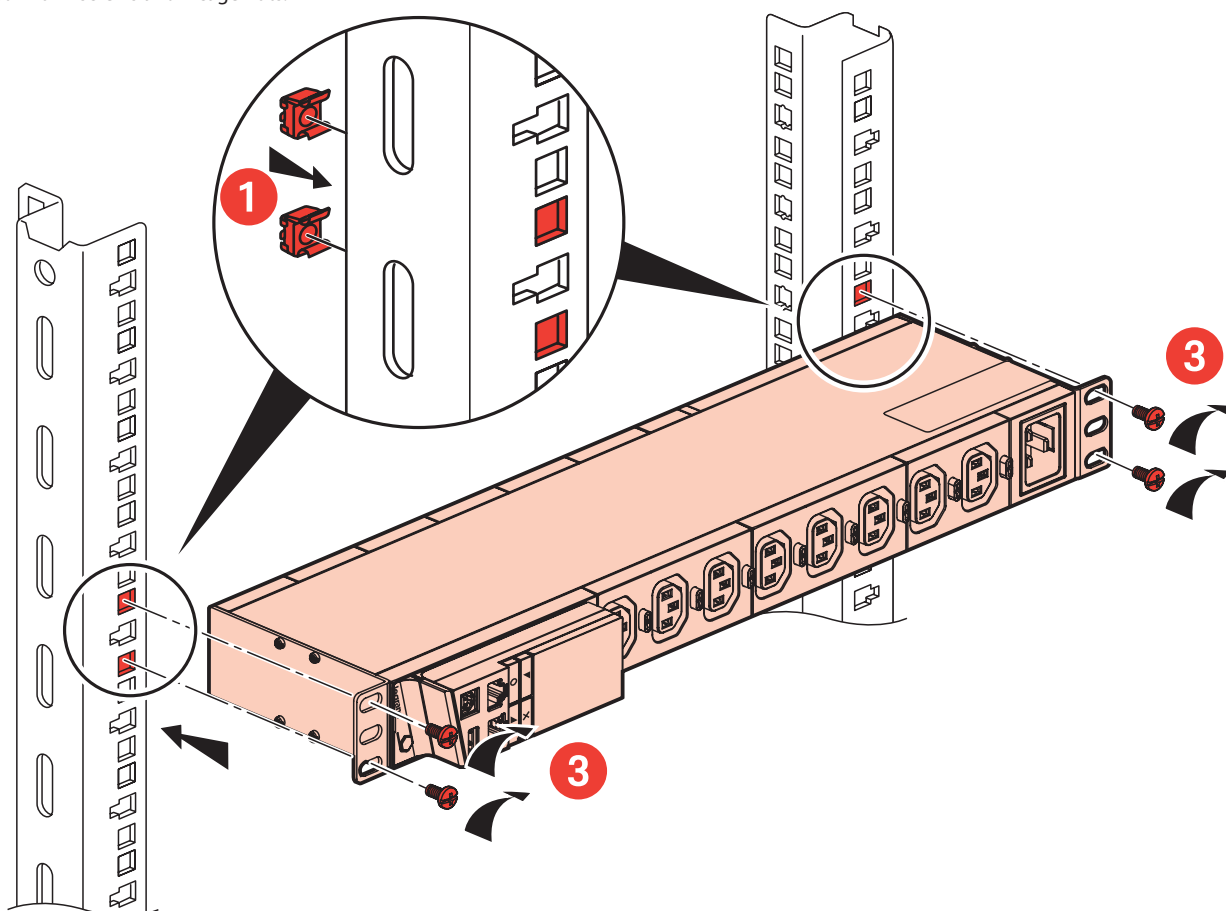
**Front View:** The cabinet features a top panel with a series of ventilation slots. Below the slots, there are two rows of components. The top row consists of eight circular components, each with a central square opening. The bottom row consists of eight rectangular components, each with a central square opening. The cabinet is finished with a dark, textured material.

**Side View:** The side view shows the cabinet's profile, highlighting its depth and the placement of the ventilation slots. The dimensions are indicated as 1220 mm in height, 445 mm in width, and 115 mm in depth.

## 11. MOUNTING SOLUTIONS

### 11.1 INCLUDED

Delivered with 4 screws and 4 cage nuts.



**12. STANDARDS AND REGULATIONS**

**12.1 STANDARDS**

| Application  | Standards  |
|--|--|
| Safety   | IEC 62368-1  |
| C13 and C19 connectors for electrical equipment                | IEC 60320-2-2<br>IEC 62368-1   |
| Circuit breakers   | Not Applicable   |
| Industrial plugs   | Not Applicable   |
| Information and communication technology equipment             | IEC 62368-1  |
| Electromagnetic compatibility for radio equipment and services | EN 301489 (ETSI EN 301 489-1 V2.2.3, ETSI EN 301 489-17 V3.2.4)  |
| Radio transmission equipment                                   | ETSI EN 300 328-1<br>(V2.2.2 2020-02-08)   |
| Electromagnetic compatibility                                  | EN 62311 (2008) EMF<br>EN 50491-5-2<br>EN 50491-5-3<br>EN 55035<br>EN 55032<br>EN 61000-4-11<br>EN 61000-4-2<br>EN 61000-4-3<br>EN 61000-4-4<br>EN 61000-4-5<br>EN 61000-4-6<br>EN 61000-3-2 |

**12.2 REGULATORY APPROVALS**

CE, UKCA, CMIM  
RoHS directive (Restriction of Hazardous Substances).  
REACH regulations (Registration, Evaluation, Authorisation & restriction of CHemicals).