



# Power Distribution Unit Installation



## Overview

This sheet provides installation information for Inova PDU. Read the instructions carefully.

## Receiving

Inspect the package and contents for shipping damage. Make sure all parts were sent. Immediately report any shipping damage to the shipping agent. Report missing contents, product damage, or other problems with the product to **Inova** or your **Inova** reseller.

## Material Recycling

The shipping materials are recyclable. Please save them for later use, or dispose of them appropriately.

## Safety

Read the following information before installing or operating your Power Distribution Unit (PDU).

**DANGER**

**HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH**

- The Rack PDU is intended to be installed and operated by a skilled person in a controlled location.
- Do not operate the Rack PDU with the covers removed.
- This Rack PDU is intended for indoor use only.
- Do not install this Rack PDU where excessive moisture or heat is present.
- Never install any equipment, or Rack PDUs during a lightning storm.
- Plug this Rack PDU into a grounded power outlet only. The power outlet must be connected to appropriate branch circuit/mains protection (fuse or circuit breaker). Connection to any other type of power outlet may result in a shock hazard.
- Do not use extension cords or adapters with this Rack PDU.
- Do not work alone under hazardous conditions.
- Check that the power cord, plug, and socket are in good condition.
- Disconnect the Rack PDU from the power outlet before you install or connect equipment to reduce the risk of electric shock when you cannot verify grounding.
- Do not handle any kind of metallic connector before the power has been removed.
- Use one hand, whenever possible, to connect or disconnect signal cables to avoid a possible shock from touching two surfaces with different grounds.
- This unit does not have any user-serviceable parts. Repairs are to be performed only by device factory-trained qualified service personnel.
- High leakage current from attached loads is possible. If total leakage current will exceed 3.5mA, attach a ground terminal from the Rack PDU supplementary ground to a reliable ground in your facility before energizing the Rack PDU.

***Failure to follow these instructions will result in death or serious injury.***

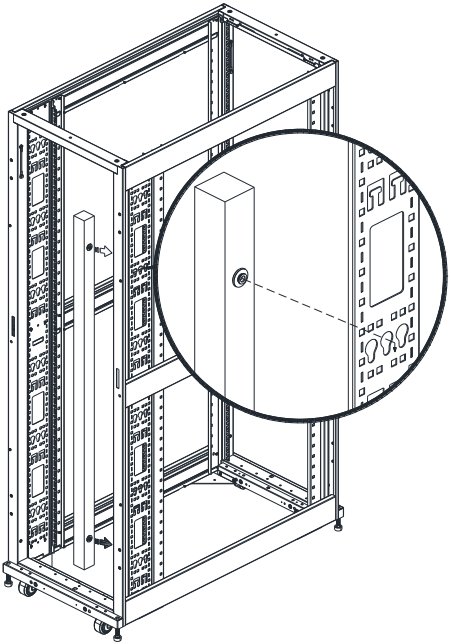
**NOTICE**

- This equipment should be connected to a dedicated-outlet dedicated circuit protected by a circuit breaker or fuse with the same current rating as the Rack PDU.
- The plug or inlet serves as the disconnect for the Rack PDU. Make sure the utility power outlet for the Rack PDU will be close to the Rack PDU and readily accessible.

## Installation

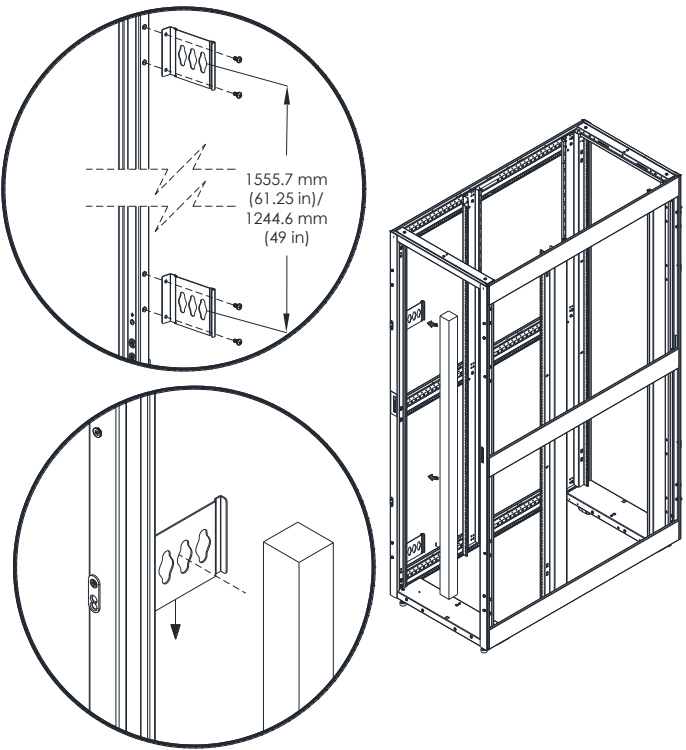
### Vertical Installation

- 1) Toolless Mounting Pegs
- A: Mounting the Rack PDU on the PDU channel of a DC enclosure.
- On one vertical PDU channel, one or two full- length Rack PDUs can be mounted.

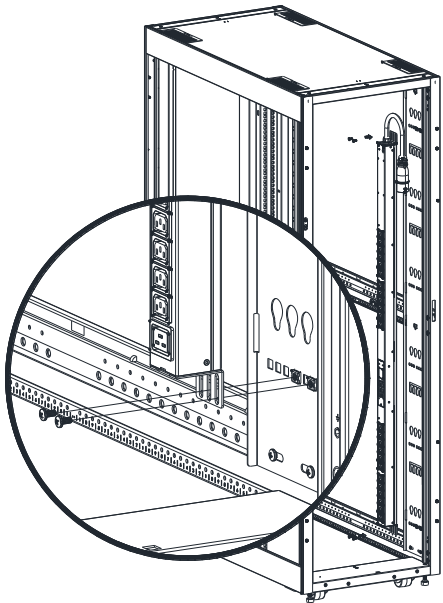


B: Mounting the Rack PDU on the PDU brackets of AI Ready Rack.

Secure two brackets on the back frame using hardware included with enclosure. Required two distance [1555.7 mm (61.25 in) or 1244.6 mm (49.0nin)] options for brackets.

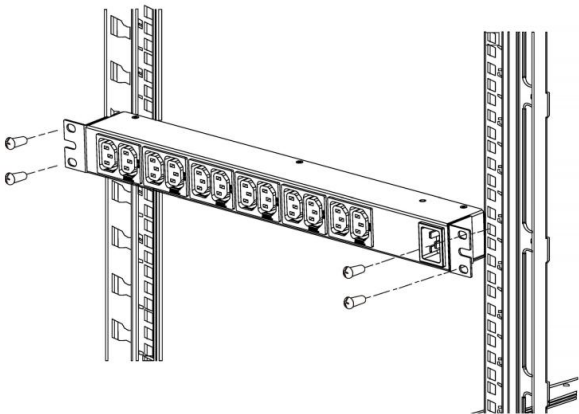


- 2) Installation with Brackets
- Install the vertical mounting brackets on the top and bottom of the PDU by using M4\*8 countersunk screws.
- Install four cage-nuts from top to bottom.
- Insert M6\*12 roundhead screws into the waist holes of the mounting bracket to secure the PDU to the PDU bracket.

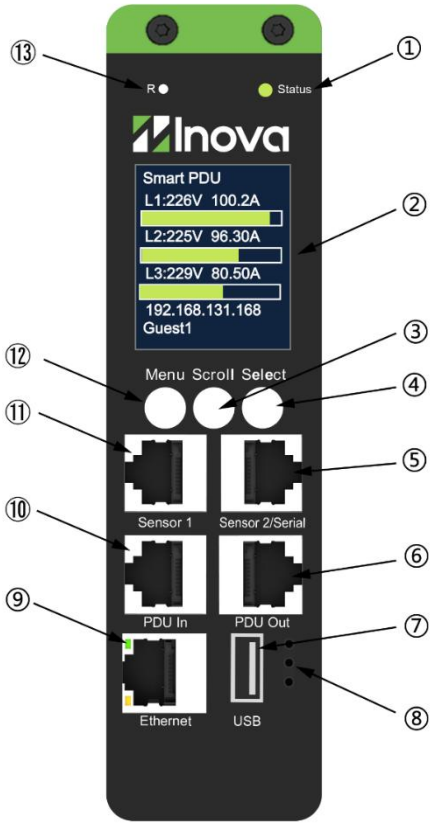


Horizontal Installation

- Install the cage nuts in the U position, and place the horizontal PDU in the U position.
- Secure the PDU to the rack using mounting screws.
- NOTE:** Please install according to the installation method owned by the actual product.



Display Interface



Item	Function	Description
1	Status Light	Solid Green: Normal operation Solid Red: Critical or Warning Alarm
2	LCD Display	Show information about the Rack PDU
3	Scroll Button	Use the Scroll button to move through displayed information
4	Select Button	With a menu option highlighted, press the Select button to display the selected Rack PDU information
5	Sensor Port & RJ45 Serial Port	Temp/Humidity Sensor connection port. Serial communication port.
6	PDU Out Port	RS485 Port for using with Network Port Sharing feature
7	USB Port	Connect flash drive for firmware upgrades or to download data logs
8	Buzzer Warning	Warning device
9	10/100M Ethernet Port	Connect the Rack PDU to the network
10	PDU In Port	RS485 Port for using with Network Port Sharing feature
11	Sensor Port	Temp/Humidity Sensor connection port
12	Menu Button	Press to view the RACK PDU electrical input
13	Reset Button	Reset the RACK PDU without affecting the status of the outlets

**NOTE:** Display interface is only available for Intelligent Rack PDUs.

To Configure the network settings and access the Rack PDU

Connect the network cable to the 10/100M Ethernet Port ⑨ and apply power to the unit. To access the Rack PDU software interface, enter the IP address in your browser address field. You will be prompted for a user name and password

Life Support Policy

General Policy

**Inova** does not recommend the use of any of its products in the following situations:

- In life-support applications where failure or malfunction on of the **Inova** product can be reasonably expected to cause failure of the life-support device or to significantly affect its safety or effectiveness.
- In direct patient care.

**Inova** will not knowingly sell its products for use in such applications unless it receives in writing assurances satisfactory to **Inova** that (a) the risks of injury or damage have been minimized, (b) the customer assumes all such risks, and (c) the liability of **Inova** is adequately protected under the circumstances.

Examples of Life-Support Devices

The term life-support device includes but is not limited to neonatal oxygen analyzers, nerve stimulators (whether used for anesthesia, pain relief, or other purposes), autotransfusion devices, blood pumps, defibrillators, arrhythmia detectors and alarms, pacemakers, hemodialysis systems, peritoneal dialysis systems, neonatal ventilator incubators, ventilators (for adults and infants), anesthesia ventilators, infusion pumps, and any other devices designated as "critical" by the U.S FDA. Hospital-grade wiring devices and leakage current protection may be ordered as options on many UPS systems. **Inova** does not claim that units with these modifications are certified or listed as hospital-grade **Inova** or any other organization. Therefore, these units do not meet the requirements for use in direct patient care.

Radio Frequency Interference

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Two-Year Factory Warranty

This warranty applies only to the products you purchase for your use in accordance with this manual. The warranty period is adjusted according to the warranty period of the sales order.

Terms of Warranty

**Inova** warrants its products to be free from defects in materials and workmanship for a period of two years from the date of purchase. **Inova** will repair or replace defective products covered by this warranty. This warranty does not apply to equipment that has been damaged by accident, negligence or misapplication or has been altered or modified in any way. Repair or replacement of a defective product or part thereof does not extend the original warranty period. Any parts furnished under this warranty may be new or factory remanufactured.

Non-Transferable Warranty

This warranty extends only to the original purchaser who must have properly registered the product.

Exclusions

**Inova** shall not be liable under the warranty if its testing and examination disclose that the alleged defect in the product does not exist or was used by end user 's or any third person's misuse, negligence, improper installation, or testing. Further, **Inova** shall not be liable under the warranty for unauthorized attempts to repair or modify wrong or inadequate electrical voltage or connection, inappropriate on-site operation conditions, corrosive atmosphere, repair, installation, exposure to the elements, Acts of God, fire, theft, or installation contrary to **Inova** recommendations or specifications or in any event if the Inova serial number has been altered, defaced, or removed, or any other cause beyond the range of the intended use. **THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE, OF PRODUCTS SOLD, SERVICED OR FURNISHED UNDER THIS AGREEMENT OR**

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