

POWER PACK SERIES

User's Manual & Installation Guide

Index

V.1.0

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Congratulations on choosing a HERA product!

We thank you for your custom.

Please note that this product, as all the others in the rich HERA range, has been designed and made with total quality to ensure excellent performance and best meet your expectations and requirements. Carefully read this instruction manual in its entirety and keep it safe for future reference. It is essential to know the information and comply with the instructions given in this manual to ensure the fitting is installed, used and serviced correctly and safely. HERA disclaims all liability for damage to the fitting or to other property or persons deriving from installation, use and maintenance that have not been carried out in conformity with this instruction manual, which must always accompany the fitting. HERA reserves the right to modify the characteristics stated in this instruction manual at any time and without prior notice.

Safety Information

Caution – unplug the power supply from the main power before connecting any cables as this can damage the products.

Caution – avoid looking directly into the led light source at close range for your own safety.

Any people installing this product should comply with local standards and regulations and must be qualified for the handling of electrical equipment.

- Do not attempt to install or use the product until installation instructions and safety labels are fully understood. This product is designed for indoor and outdoor usage.
- Ensure product operates within the specified temperature range.
- Do not attempt to open the product.
- Do not use the product if the power cables are damaged.
- Only use product for specified voltage.
- Always maintain connection to ensure waterproofing.
- If the product has been subjected to drastic temperature variances, for example, following transportation, do not connect the fixture until it has reached room temperature, as moisture condensation may cause electric shock and product damages.
- When installing the products and system power supplies, please ensure they will not be exposed to moisture and extreme heat (and direct sunlight for outdoor products). Besides, keep a clean operating environment for the fixtures and system power supplies.
- Please study this Installation Guide thoroughly and check the latest Technical Specification Sheets available from the our website www.heraled.com before setup.
- Any non-compliance of the Installation Guide will void the Hera warranty.

Warning



Risk of Electric Shock



Warning! Refer to User Manual.



Do Not Open Products



Avoid Contact with Liquids



Do Not Cover Any Ventilation Area



DIRECTIVE 2012/19/EU Waste Electrical and Electronic Equipment

Warranty

Hera warrants the products for a period of five (5) years from date of purchase, provided that the purchased items are used under the conditions stated in this user manual.

Marking



RoHS
compliant



IP20



POWER PACK SERIES

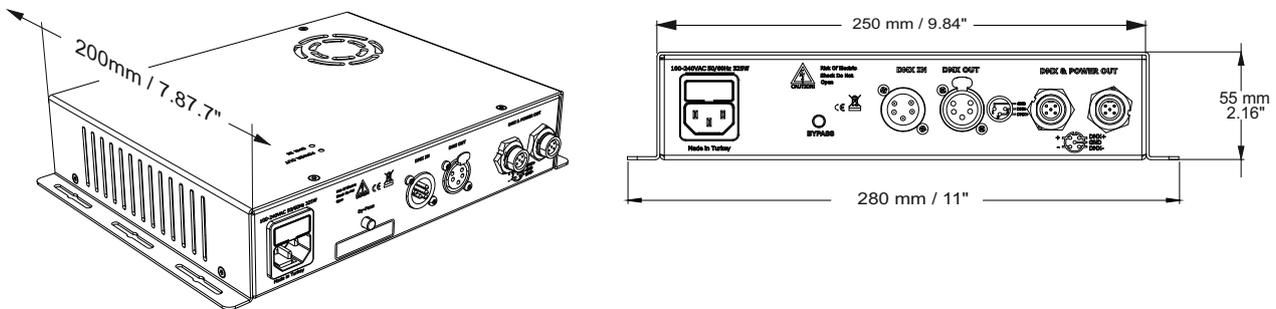
Explanation

Power Pack Series presented in 3 types in order to prevent complicated combination of power and data cables, and form easy installation structure. In Power pack 320 wall mount type has full isolated splitter. These features prevent feedback and clear DMX signal in long range. Power Pack 1000 and Power Pack 2000 19" 1U can be used as Rack Mount and Wall Mount and can make RDM feedback. These products have fuses in it. If any fuses blow, Led display will show problematic LED. All Power Pack Series have LED display in order to show interruption in energy and DMX signal. Power packs 320 are produced to use in PD 60 series. Power Pack 1000 and Power Pack 2000 can be used safely in Sword and Vertical Tube applications. It has 90 ~ 264VAC 50/60HZ Universal AC input 3-Pin VDE connection. All DMX inputs are performed with Neutrik® 5 Pin XLR connectors.

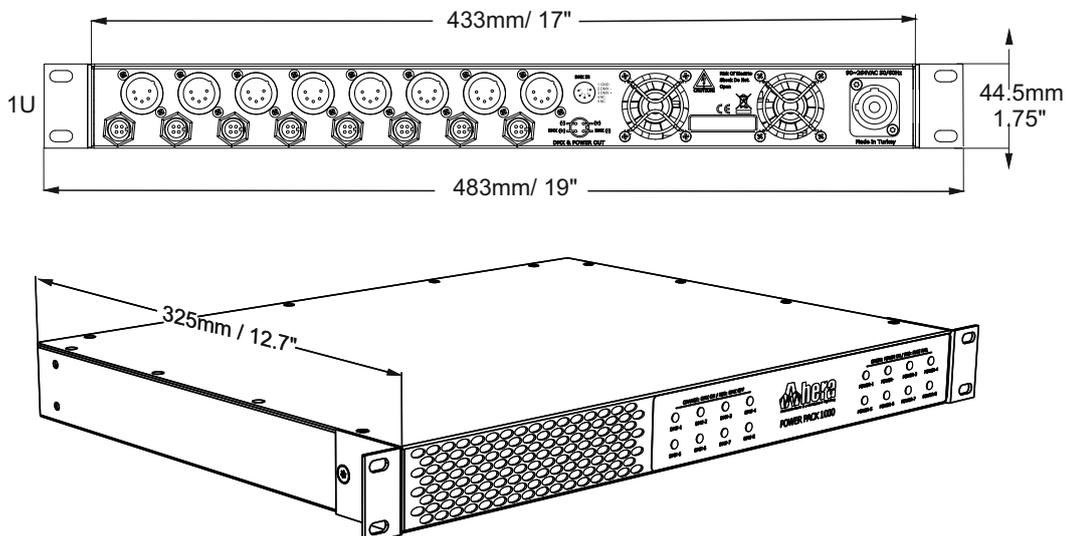
- Energy is transmitted by 90 ~ 264VAC 50/60HZ Universal AC input 3-Pin VDE connector
- Energy output of products is Power Pack 320 48V / 320W / 6.7A, Power Pack 1000 48V / 1000W / 21A, Power Pack 2000 48V / 2000W / 42A.
- Energy output of each port is Power Pack 320-160W, Power Pack 1000-125W, Power Pack 2000-250W.
- Power pack 320 gives output with 5 Pins which has IP66 class protection markings and 2 Full isolated splitters. Power Pack 1000 and Power Pack 2000 give output in 8 Mirrored 4 Pins which has IP67 class protection markings
- DMX inputs are available in Neutrik® 5 Pin XLR connectors.
- It has short circuit, overload, over voltage, over temperature protections.
- Power Pack 320 can be installed as wall mount, Power Pack 1000 and Power Pack 2000 can be installed as rack mount and wall mount.
- It has aluminum sheet metal with powder finishing body.
- Power packs are produced in RAL9005 black color and have black iron screws but according to customers' demand fixture can be painted to different RAL colors.

Dimension

Power Pack 320



Power Pack 1000 / 2000



POWER PACK SERIES

Product Specifications

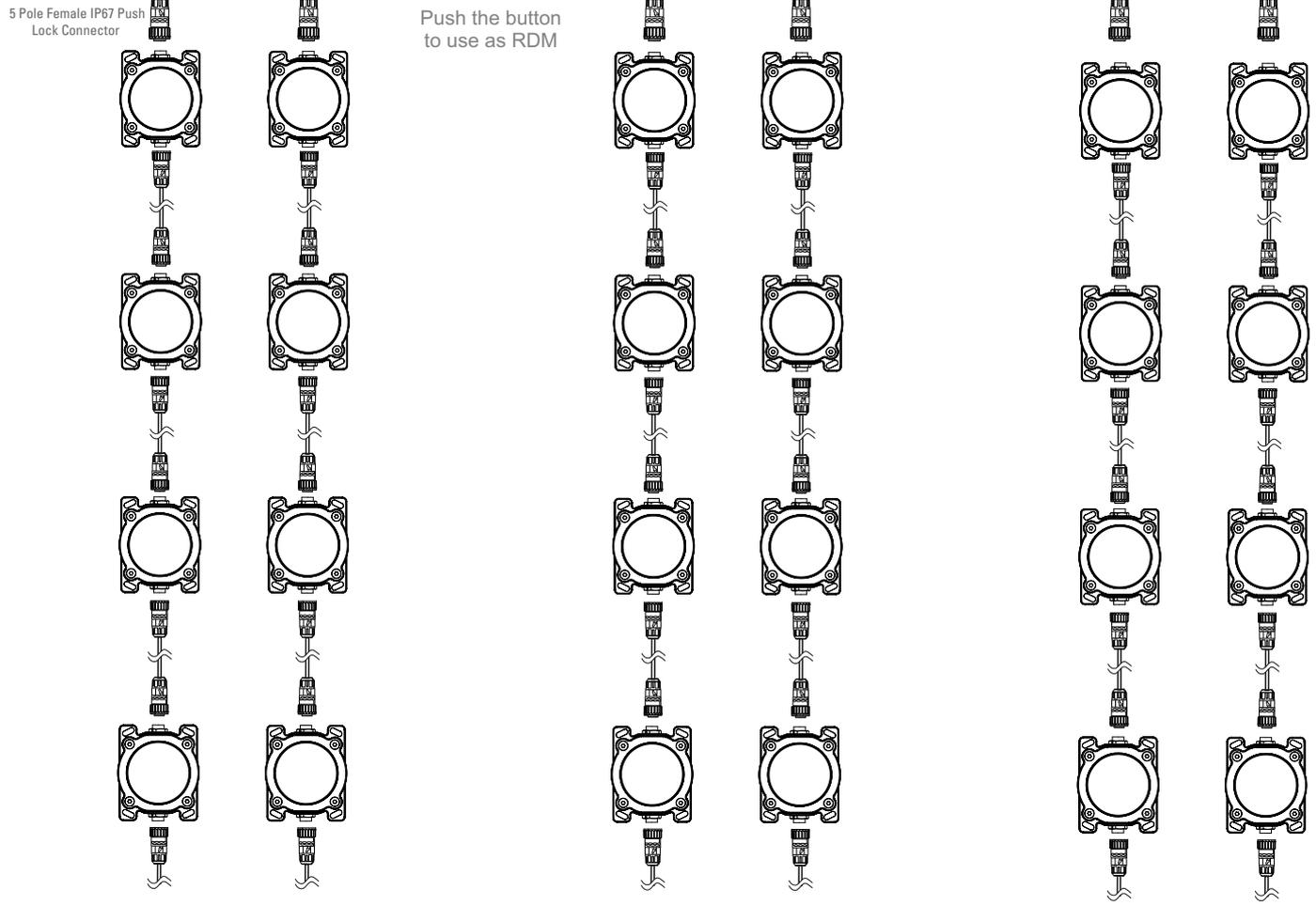
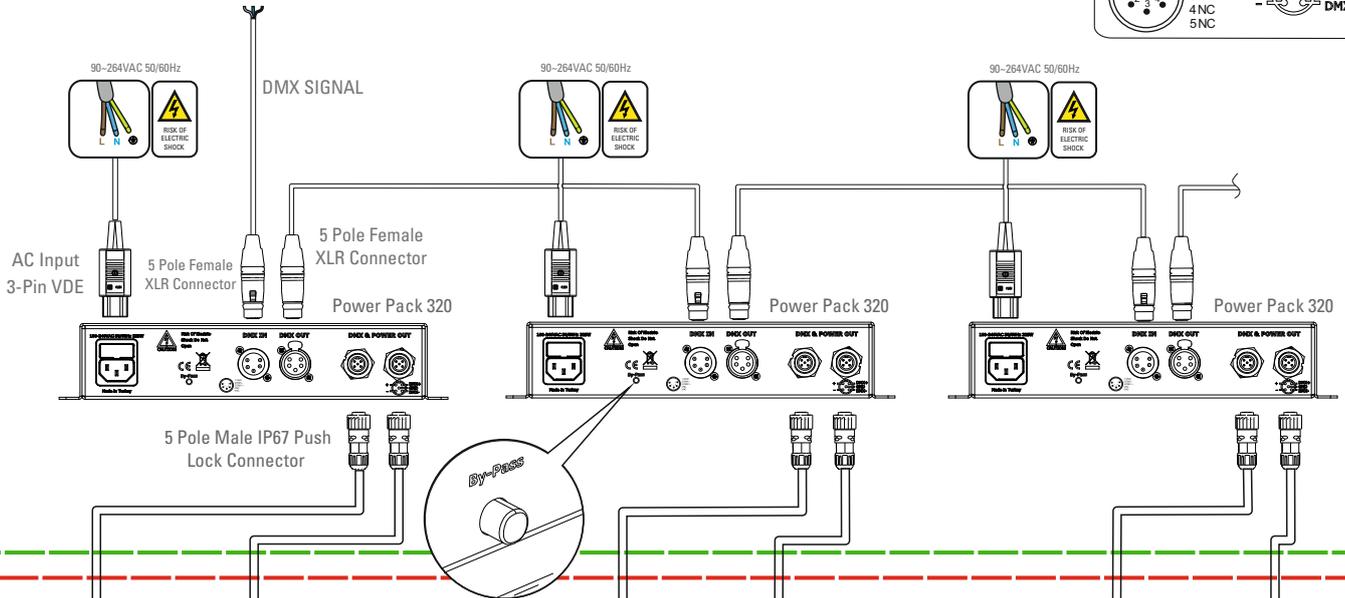
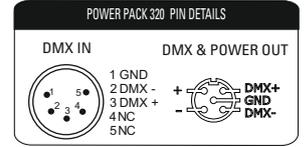
Model	Power Pack 320	Power Pack 1000	Power Pack 2000
Power Input:	90 ~ 264VAC 50/60Hz Universal AC input		
Power Connections:	AC Input 3-Pin VDE	Neutrik® powerCon 20A	Neutrik® powerCon 20A
Control Interface:	USITT DMX 512 A		
Interface Connections:	Neutrik® 5 Pin XLR		
Output Power:	48V / 320W / 6.7A	48V / 1000W / 21A	48V / 2000W / 21A
Output Distribution:	160W Per Port	125W Per Port	250W Per Port
Output Connections:	5 Pin IP 67 Connector	4 Pin IP 67 Connector	4 Pin IP 67 Connector
Output Models:	2 x Full Isolated Splitted or By-pass	8 x Mirrored	8 x Mirrored
Efficacy:	89%	90%	92%
Power Factor (Typ.) :	PF>0.95/230VAC PF>0.98/115VAC		0.97/230VAC
Protections:	Short circuit, Overload, Over voltage, Over temperature		
Housing:	Aluminium Sheet Metal With Powder Finishing		
Screw and Mounting:	Black Iron		
Type of Installation:	Wall Mount	Wall Mount / 1U Rack Mount	Wall Mount / 1U Rack Mount
Environment:	IP20		
Operating Temperature:	-40°C - 50°C (-40° - 122° F)		
Storage Temperature:	-40°C - 85°C (-40°C - 185° F)		
Dimensions (H x W x D):	55x250x200 mm (2.16x9.84x7.87 in)	44.5x483x325 mm (1.75x19x12.7 in)	44.5x483x325 mm (1.75x19x12.7 in)
Weight:	1.7kg (3.7lb)	4.75kg (10.5lb)	4.75kg (10.5lb)
Certification:	EU safety: EN 60950		
	EU EMC: EN 55103-1, EN 55103-2, EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3		
	US safety: ANSI/UL 60950-1		
	US EMC: FCC Part 15 Class A		

POWER PACK SERIES

Standart DMX Wiring Diagram

Indoor Zone

Power Pack 320

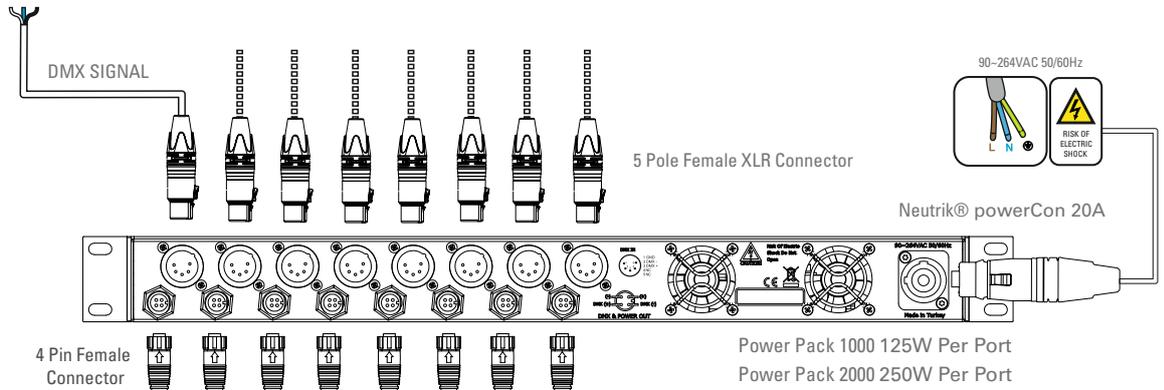


Outdoor Zone

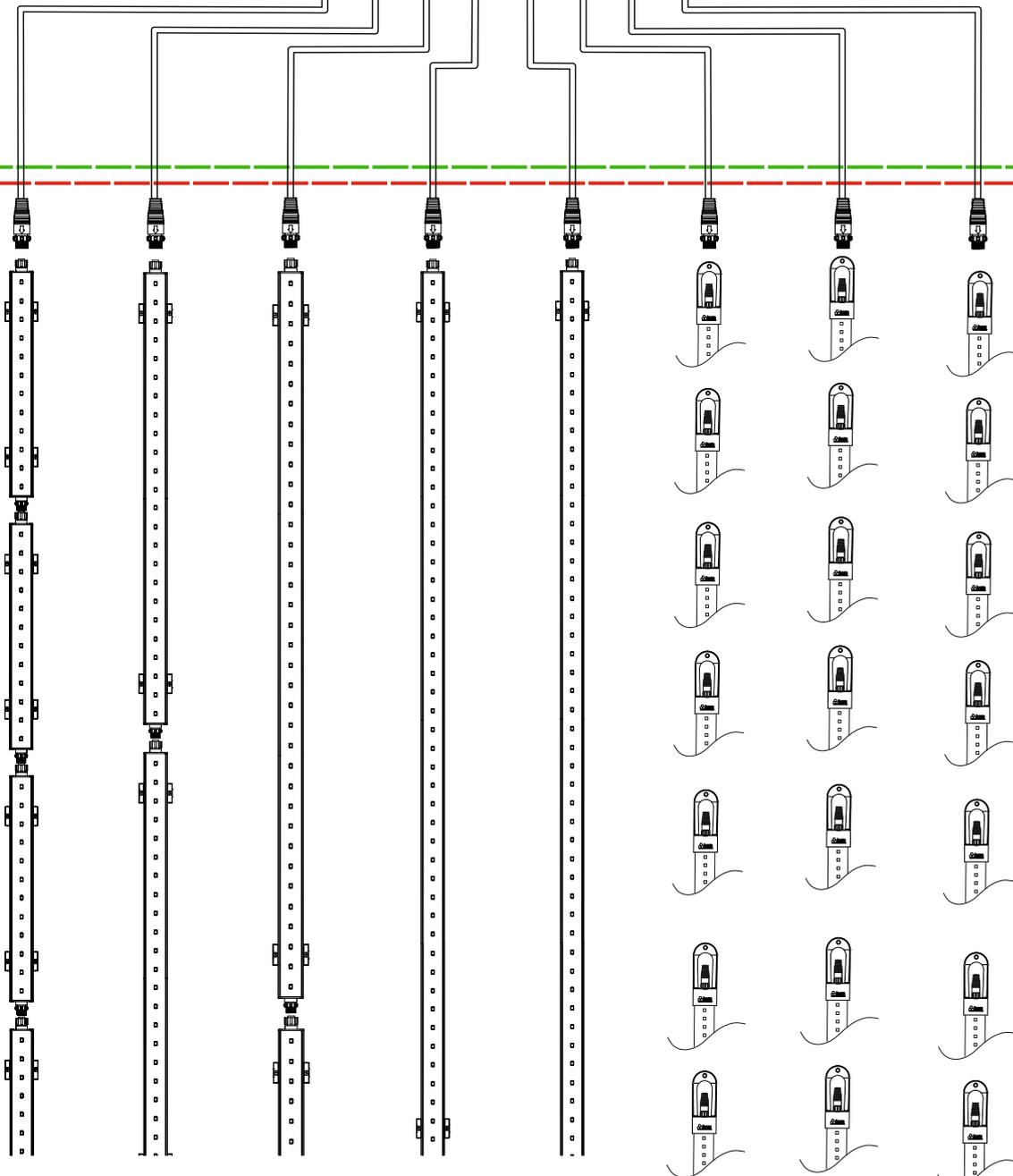
POWER PACK SERIES

Standart DMX Wiring Diagram

Power Pack 1000 / 2000



4 Pin Male Connector



POWER PACK 1000 / 2000 PIN DETAILS

DMX IN

1 GND
2 DMX -
3 DMX +
4 NC
5 NC

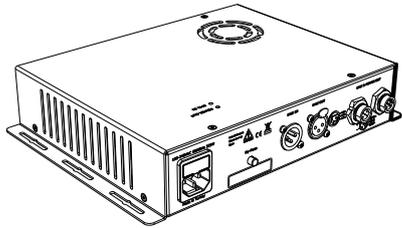
DMX & POWER OUT

(-) DMX (+) (+) DMX (-)

DMX & POWER OUT

POWER PACK SERIES

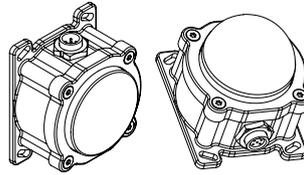
Product Table for Power Pack 320



Power Pack 320
48V / 320W / 6.7A
160W Per Port
5 Pin IP 67 Connector
2 x Full Isolated Splitted or By-pass

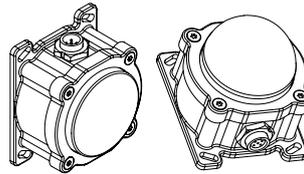
X2 Port

32 pcs.



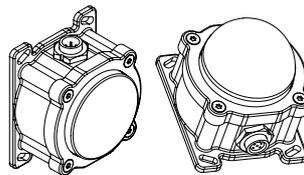
PD®60 RGB Series

22 pcs.



PD®60 RGBW Series

32 pcs.

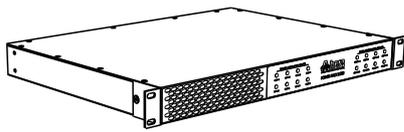


PD®60 Dynamic White Series

* The maximum connection pieces in chain have been given considering power consumption. The products must be used as exact maximum pieces in case of personality. Please check personality part of products out.

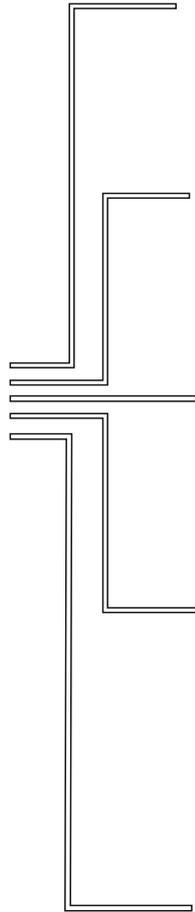
POWER PACK SERIES

Product Table for Power Pack 1000

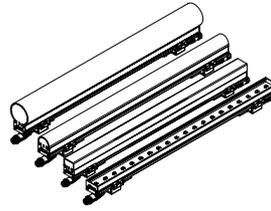


X8 Port

Power Pack 1000
 48V / 1000W / 21A
 125W Per Port
 4 Pin IP 67 Connector
 8 x Mirrored

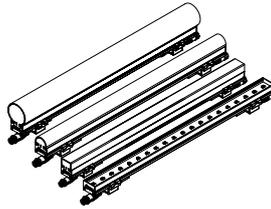


29 pcs.
 14 pcs.
 9 pcs.
 7 pcs.
 5 pcs.



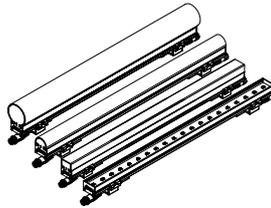
Sword® RGB Series 300mm
 Sword® RGB Series 600mm
 Sword® RGB Series 900mm
 Sword® RGB Series 1200mm
 Sword® RGB Series 1500mm

21 pcs.
 10 pcs.
 7 pcs.
 5 pcs.
 4 pcs.



Sword® RGBW Series 300mm
 Sword® RGBW Series 600mm
 Sword® RGBW Series 900mm
 Sword® RGBW Series 1200mm
 Sword® RGBW Series 1500mm

29 pcs.
 14 pcs.
 9 pcs.
 7 pcs.
 5 pcs.



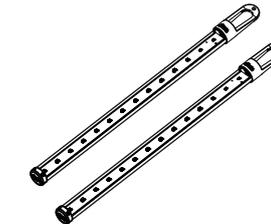
Sword® Dynamic White Series 300mm
 Sword® Dynamic White Series 600mm
 Sword® Dynamic White Series 900mm
 Sword® Dynamic White Series 1200mm
 Sword® Dynamic White Series 1500mm

12 pcs.
 6 pcs.
 40 pcs.
 3 pcs.



Vertical Tube RGB Series 500mm
 Vertical Tube RGB Series 1000mm
 Vertical Tube RGB Series 1500mm
 Vertical Tube RGB Series 2000mm

9 pcs.
 4 pcs.
 3 pcs.
 2 pcs.

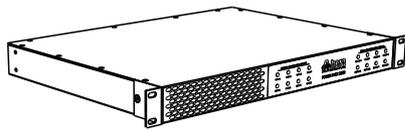


Vertical Tube RGBW Series 500mm
 Vertical Tube RGBW Series 1000mm
 Vertical Tube RGBW Series 1500mm
 Vertical Tube RGBW Series 2000mm

* The maximum connection pieces in chain have been given considering power consumption. The products must be used as exact maximum pieces in case of personality. Please check personality part of products out.

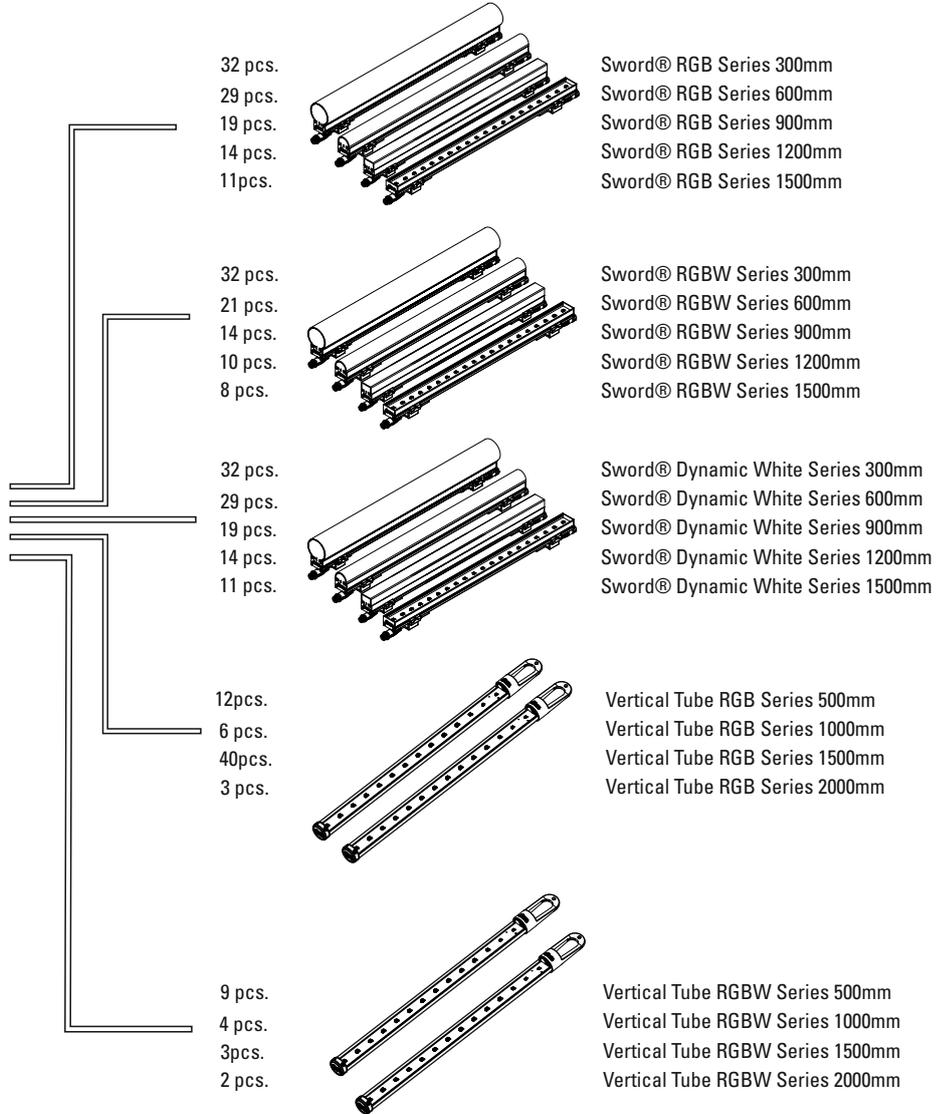
POWER PACK SERIES

Product Table for Power Pack 2000



Power Pack 2000
 48V / 2000W / 21A
 250W Per Port
 4 Pin IP 67 Connector
 8 x Mirrored

X8 Port

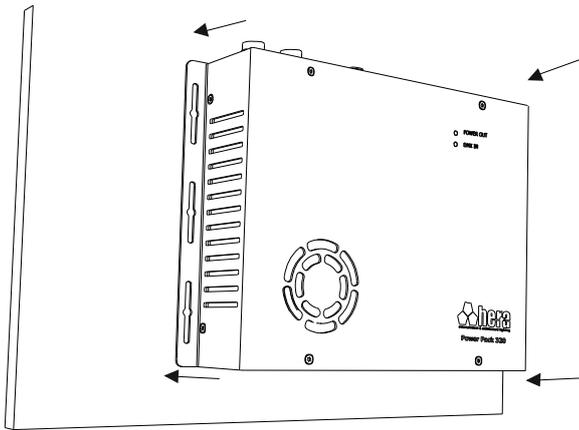


* The maximum connection pieces in chain have been given considering power consumption. The products must be used as exact maximum pieces in case of personality. Please check personality part of products out.

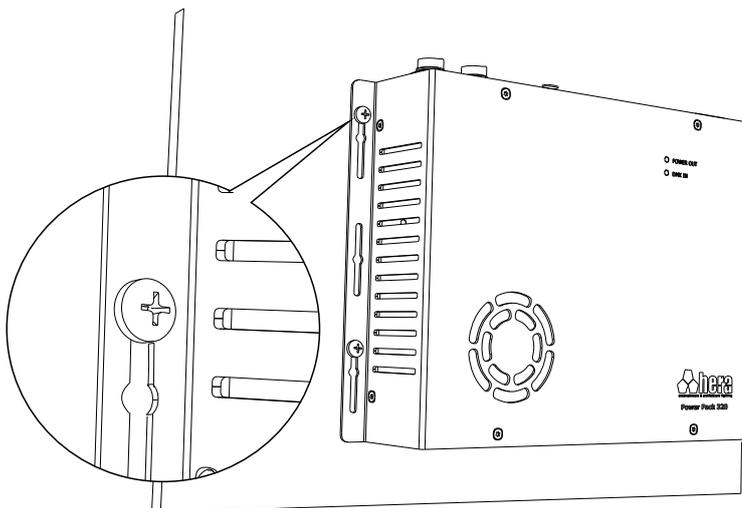
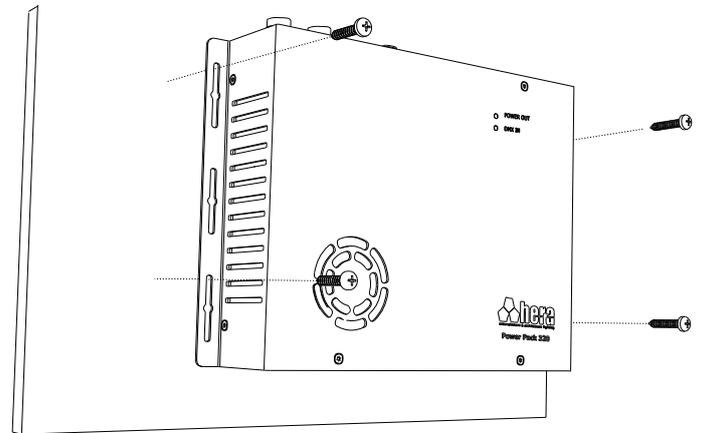
Installation Instruction

Power Pack 320 for Wall Installation

- 1 Prepare the product for installation area as its connectors bevel-down and without covering any ventilation area.



- 2 Tighten the screws of product as shown in the figure.



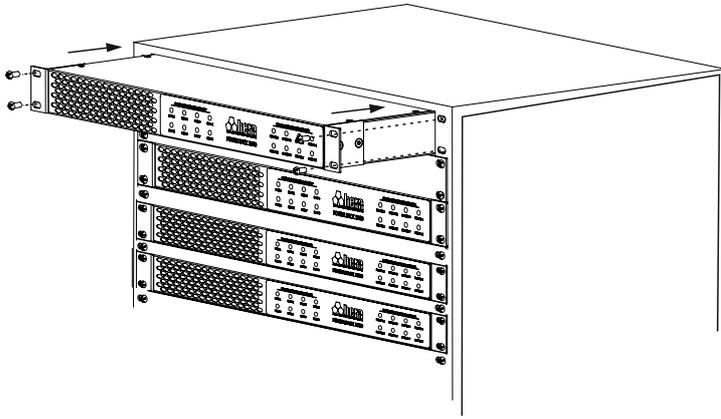
- 3 Finish the installation.

Warning !

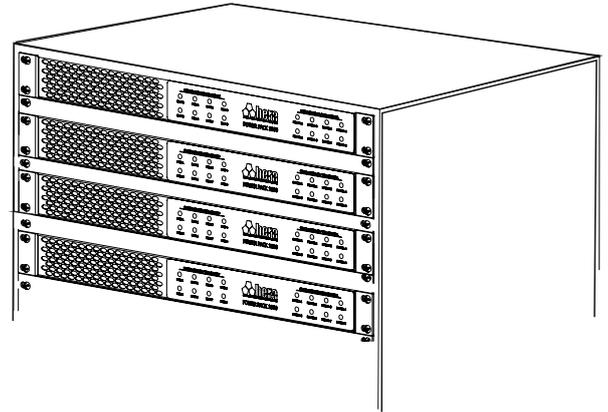
DO NOT block front or side air ventilation areas and fan of product.

Installation Instruction

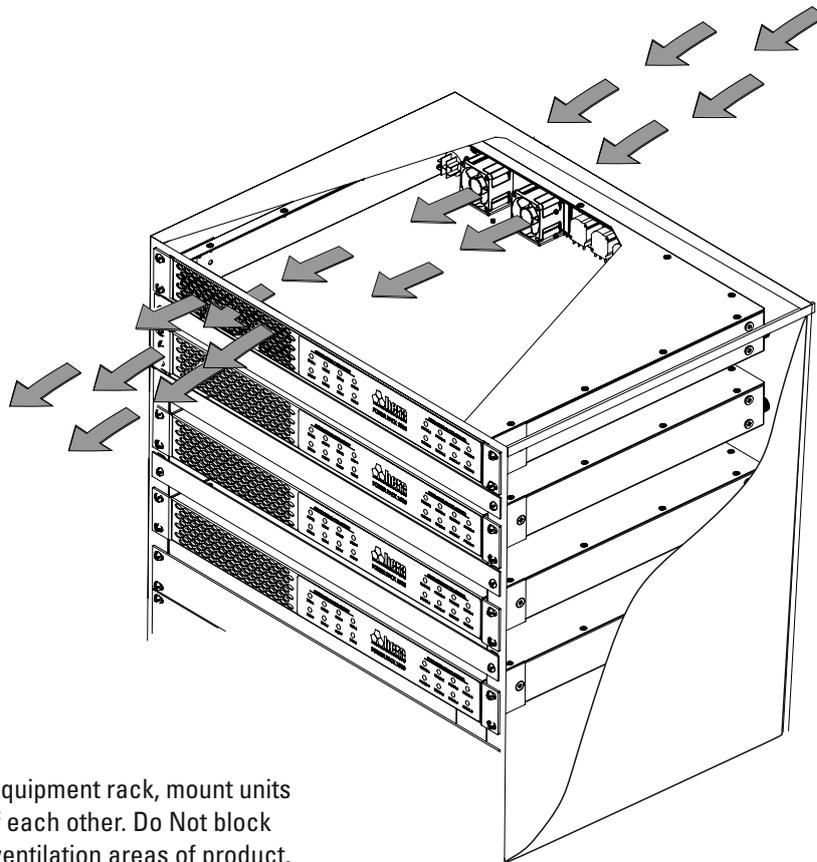
Power Pack 1000 or 2000 for Rack Case Installation



- ① Install the product to the rack case as shown in the figure.



- ② Tighten the screw and finish the installation.



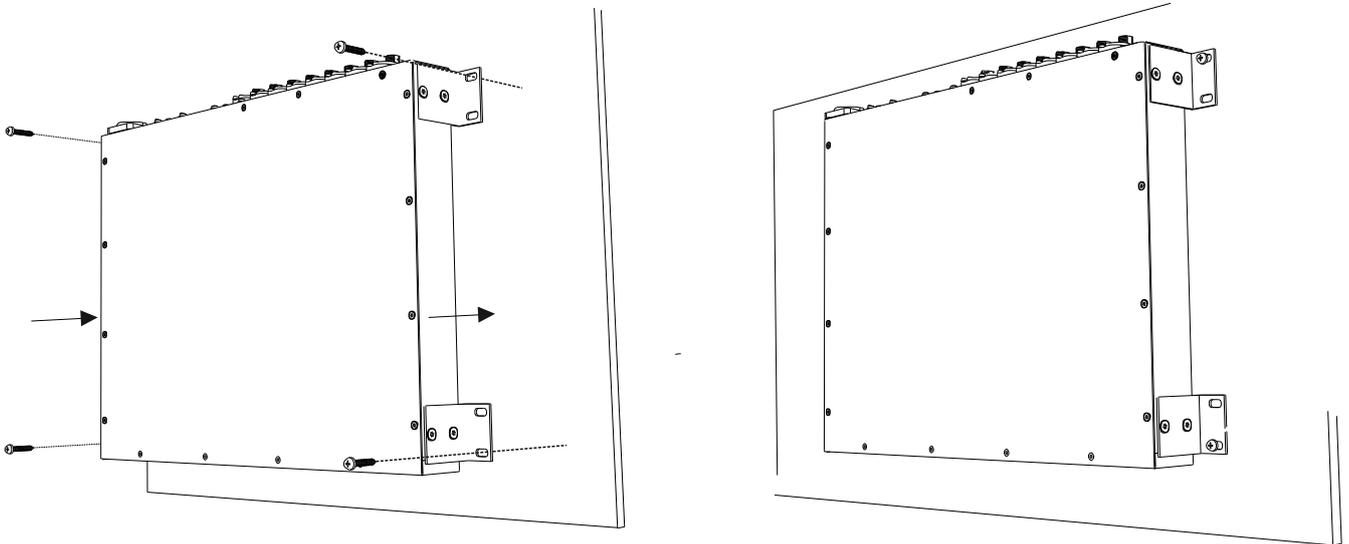
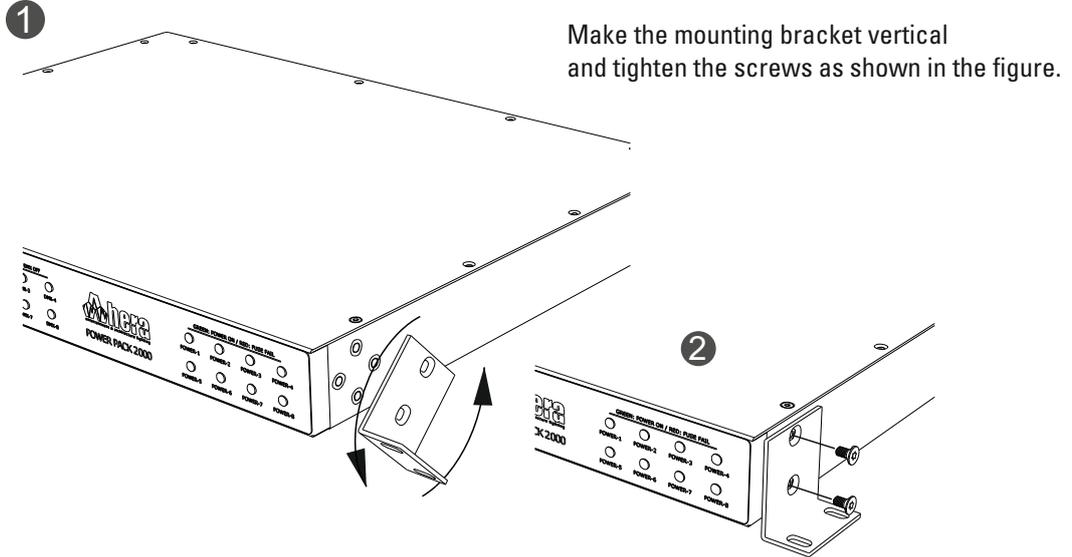
Warning !

When using an equipment rack, mount units directly on top of each other. Do Not block front or rear air ventilation areas of product. Illustrates standard airflow of product.

POWER PACK SERIES

Installation Instruction

Power Pack 1000 or 2000 for Wall Installation

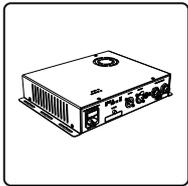


3 Prepare the product for installation area as its connectors beveled-down and without covering any ventilation area.

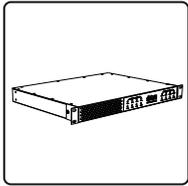
4 Tighten the screws of product and finish the installation.

POWER PACK SERIES

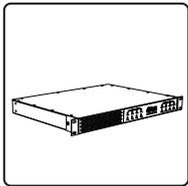
Ordering Information



P08002 Power Pack 320-48 Full Isolated DMX Splitter & 2 Out Power Supply



P08004-Power Pack 1000-48 1000W 8 Outputs Power Supply



P08013-Power Pack 2000-48 2000W 8 Outputs Power Supply

*Standart product codes that we provided is above. Please contact us for special orders.

