

# PHU Parallel Series

PHU-01BLV/PHU-02BLV/PHU-03BLV/PHU-04BLV  
PHU-01BHV/PHU-02BHV/PHU-03BHV/PHU-04BHV

# GW INSTEK

## Assembly Manual

GW INSTEK PART NO. 82HU-04B00M01

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ISO-9001 CERTIFIED MANUFACTURER

**GW INSTEK**

# PHU PARALLEL SERIES

The PHU parallel series rack mount kit is suited for assembling multiple PHU-15K units, from the minimum 2 units to the maximum 5 units, into parallel cluster application for rackmount usage.

## Rack Mount Adapter Component List

**Description** Please check and make sure all the components of rack mount kits for several parallel clusters in both low-volt and high-volt outputs, corresponding to the exploded-view diagrams below, are properly provided.

### LOW-VOLT OUTPUT SERIES

#### PHU-01BLV (2 units in parallel cluster)

Item	Part NO.	Description	QTY
1	62HU-01BCP101	phu-15k-rack-lv-cu-1	2
2	596M-10025NS1	HEX-SCREW-M10	4
3	61SF-103170N1	SPRING-WASHER-M10	4
4	61PF-103220N1	WASHER-M10	4
5	6001-FN0100S1	NUT-M10-NORMAL	4
6	82HU-04B00M01	ASSEMBLY MANUAL	1

#### PHU-02BLV (3 units in parallel cluster)

Item	Part NO.	Description	QTY
1	62HU-02BCP101	phu-15k-rack-lv-cu-2	2
2	596M-10025NS1	HEX-SCREW-M10	6
3	61SF-103170N1	SPRING-WASHER-M10	6
4	61PF-103220N1	WASHER-M10	6
5	6001-FN0100S1	NUT-M10-NORMAL	6
6	82HU-04B00M01	ASSEMBLY MANUAL	1

#### PHU-03BLV (4 units in parallel cluster)

Item	Part NO.	Description	QTY
1	62HU-03BCP101	phu-15k-rack-lv-cu-3	2
2	596M-10025NS1	HEX-SCREW-M10	8

3	61SF-103170N1	SPRING-WASHER-M10	8
4	61PF-103220N1	WASHER-M10	8
5	6001-FN0100S1	NUT-M10-NORMAL	8
6	82HU-04B00M01	ASSEMBLY MANUAL	1

**PHU-04BLV (5 units in parallel cluster)**

Item	Part NO.	Description	QTY
1	62HU-04BCP101	phu-15k-rack-lv-cu-4	2
2	596M-10025NS1	HEX-SCREW-M10	10
3	61SF-103170N1	SPRING-WASHER-M10	10
4	61PF-103220N1	WASHER-M10	10
5	6001-FN0100S1	NUT-M10-NORMAL	10
6	82HU-04B00M01	ASSEMBLY MANUAL	1

**HIGH-VOLT OUTPUT SERIES**

**PHU-01BHV (2 units in parallel cluster)**

Item	Part NO.	Description	QTY
1	62HU-01BCP201	phu-15k-rack-hv-cu-1	2
2	596B-W6020NS1	HEX-SCREW-M6	4
3	6001-CK0060S1	NUT-M6-NORMAL	4
4	82HU-04B00M01	ASSEMBLY MANUAL	1

**PHU-02BHV (3 units in parallel cluster)**

Item	Part NO.	Description	QTY
1	62HU-02BCP201	phu-15k-rack-hv-cu-2	2
2	596B-W6020NS1	HEX-SCREW-M6	6
3	6001-CK0060S1	NUT-M6-NORMAL	6
4	82HU-04B00M01	ASSEMBLY MANUAL	1

**PHU-03BHV (4 units in parallel cluster)**

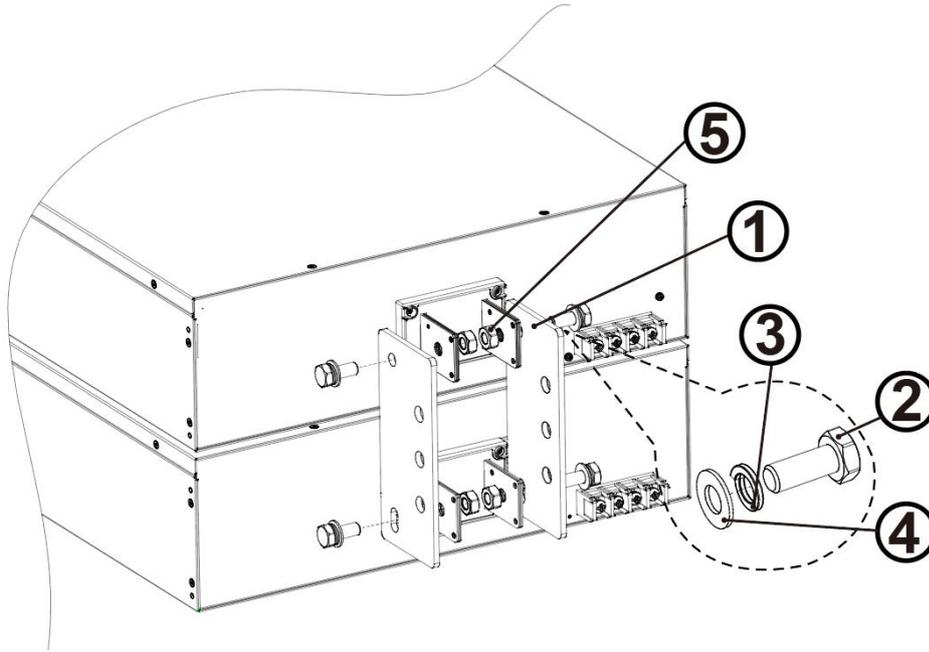
Item	Part NO.	Description	QTY
1	62HU-03BCP201	phu-15k-rack-hv-cu-3	2
2	596B-W6020NS1	HEX-SCREW-M6	8
3	6001-CK0060S1	NUT-M6-NORMAL	8
4	82HU-04B00M01	ASSEMBLY MANUAL	1

**PHU-04BHV (5 units in parallel cluster)**

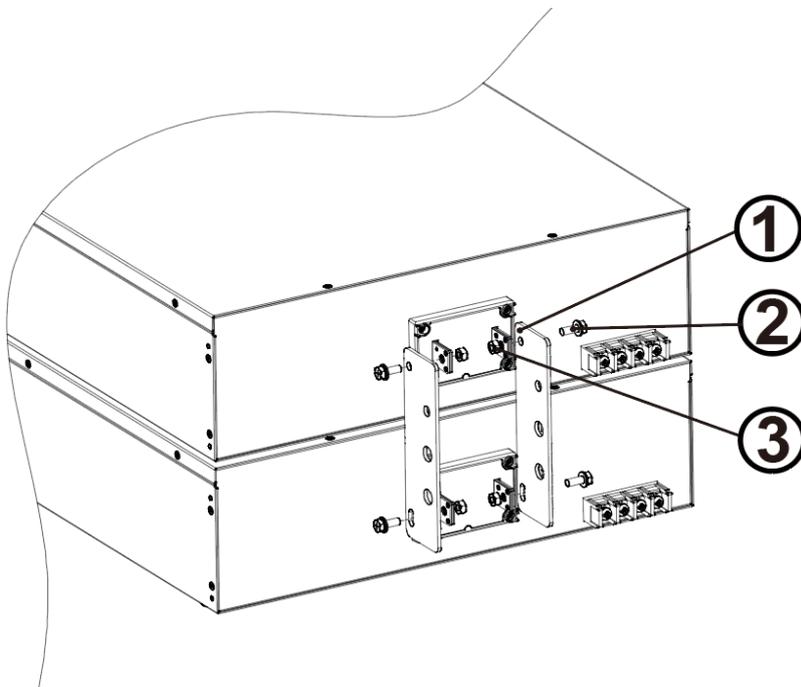
Item	Part NO.	Description	QTY
1	62HU-04BCP201	phu-15k-rack-hv-cu-4	2
2	596B-W6020NS1	HEX-SCREW-M6	10
3	6001-CK0060S1	NUT-M6-NORMAL	10
4	82HU-04B00M01	ASSEMBLY MANUAL	1

Exploded-View Diagram

**LOW-VOLT OUTPUT SERIES (2 units in parallel for example)**



**HIGH-VOLT OUTPUT SERIES (2 units in parallel for example)**



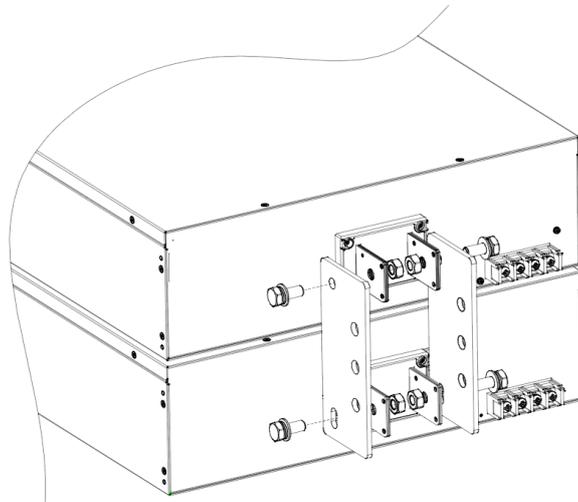
**Note**

For multiple units in parallel (3 to 5 units), the difference occurs in numbers of hex screws, spring washers, washers and nuts. Also, length of racks vary among different multiple units in parallel.

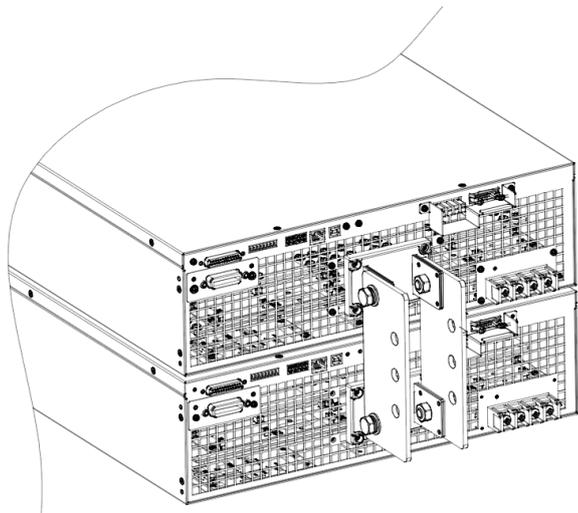
## Assembly

### LOW-VOLT OUTPUT SERIES (2 units in parallel for example)

- Setup
1. Assemble the hex screws (②.HEX-SCREW-M10) with spring washers (③.SPRING-WASHER-M10) and washers (④.WASHER-M10) together.
  2. Fasten the above assembly with nuts (⑤.NUT-M10-NORMAL) on the two racks (①.phu-15k-rack-lv-cu-1) firmly.



3. The rack mount assembly is entirely completed.

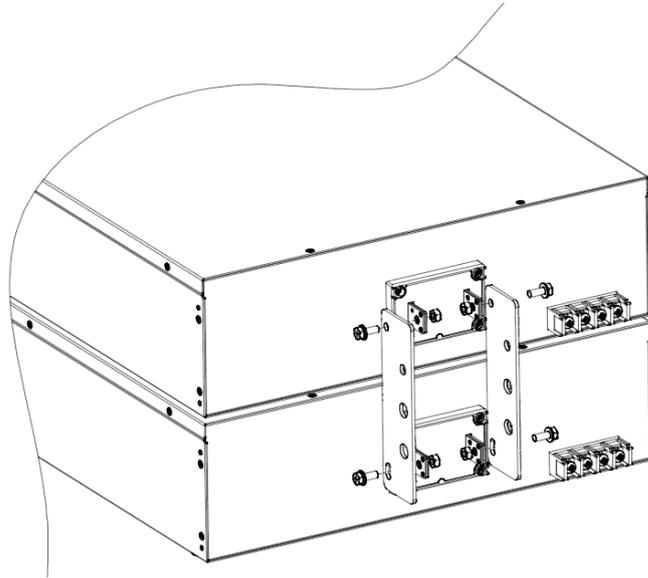


Note

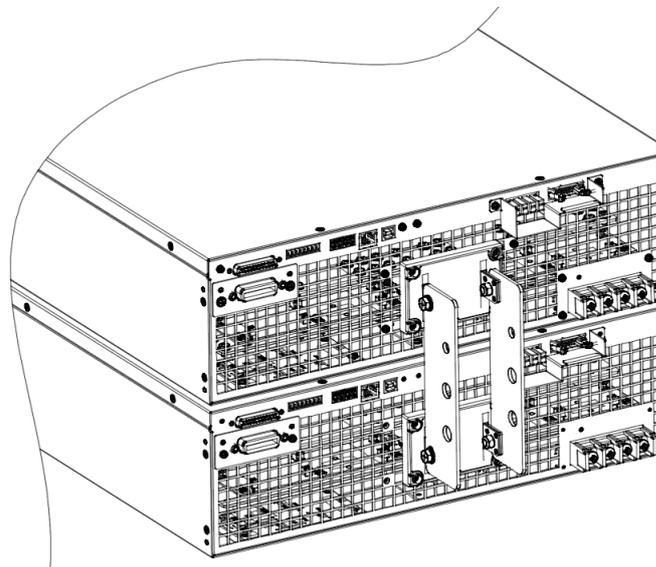
For multiple units in parallel (3 to 5 units), the difference occurs in numbers of hex screws, spring washers, washers and nuts. Also, length of racks vary among different multiple units in parallel. Follow the example of 2 units in parallel for multiple units assembly.

**HIGH-VOLT OUTPUT SERIES (2 units in parallel for example)**

- Setup
1. Fasten the hex screws (②.HEX-SCREW-M6) with nuts (③.NUT-M6-NORMAL) on the two racks (①.phu-15k-rack-hv-cu-1).



2. The rack mount assembly is entirely completed.

**Note**

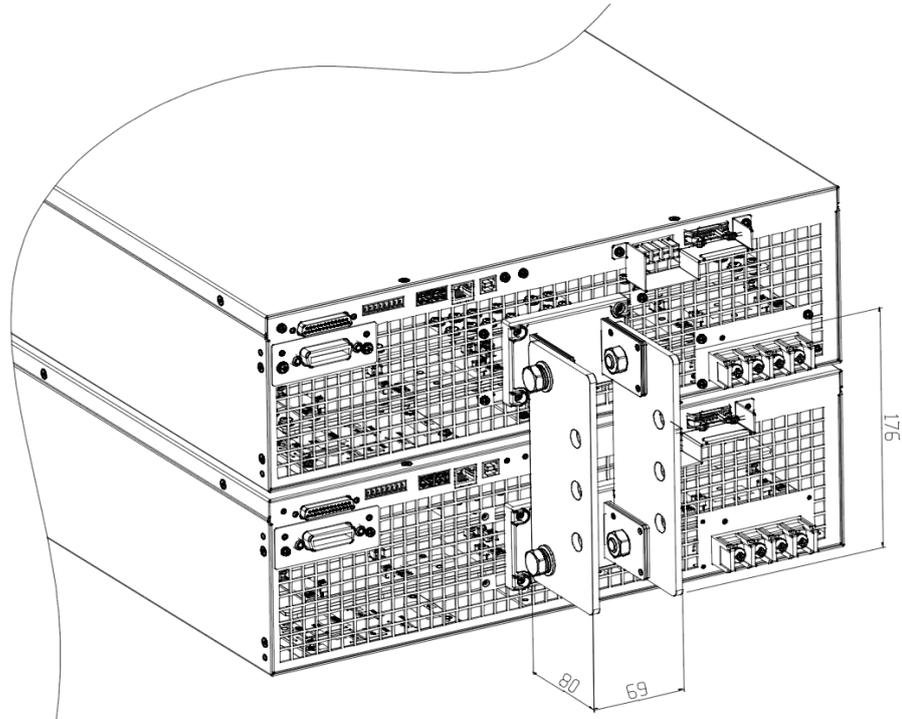
For multiple units in parallel (3 to 5 units), the difference occurs in numbers of hex screws and nuts. Also, length of racks vary among different multiple units in parallel. Follow the example of 2 units in parallel for multiple units assembly.

# Specification

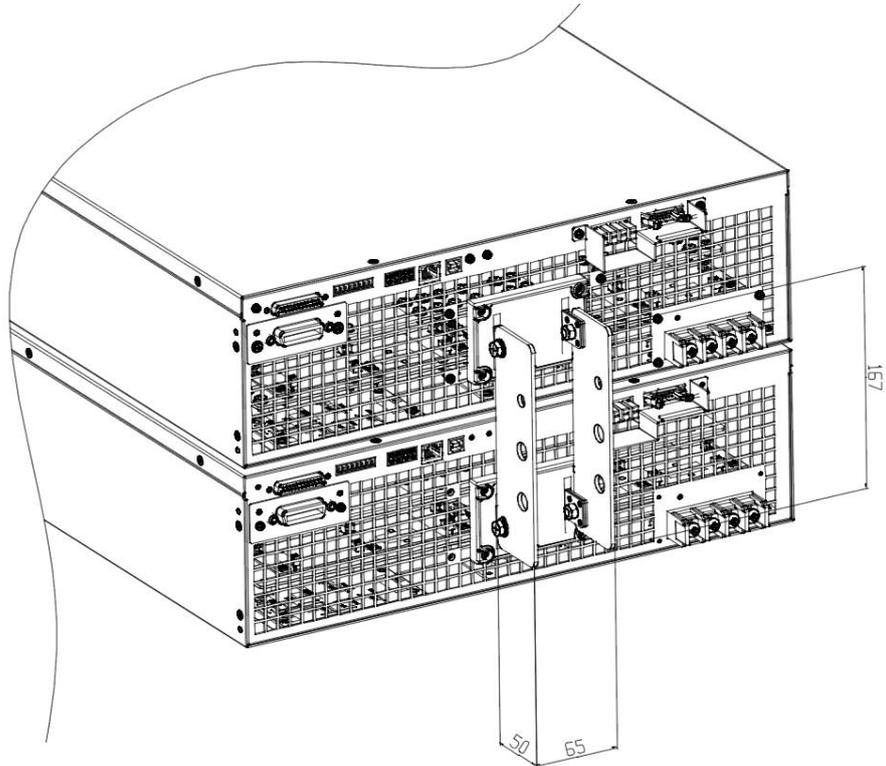
## Rack Dimensions

All dimensions are shown in millimeters.

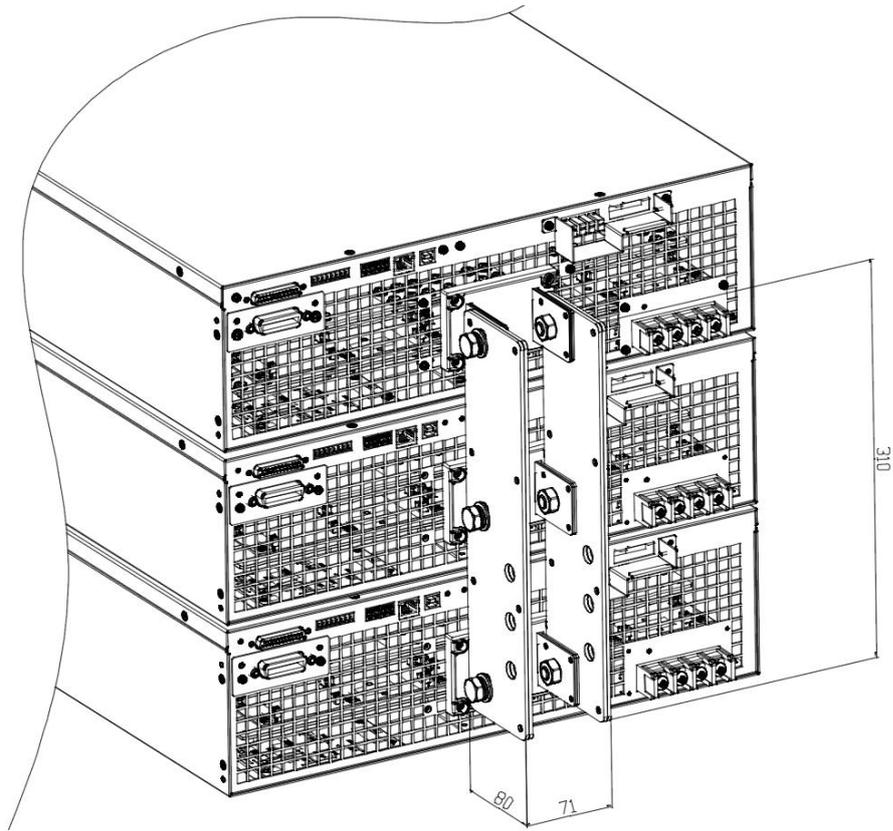
### PHU-01BLV



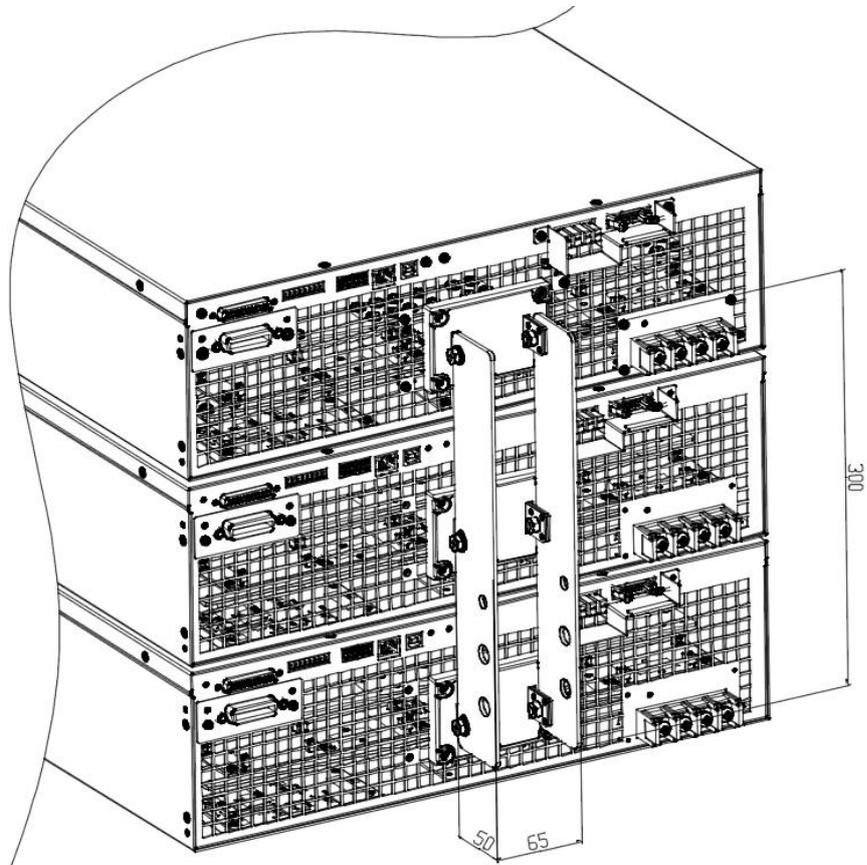
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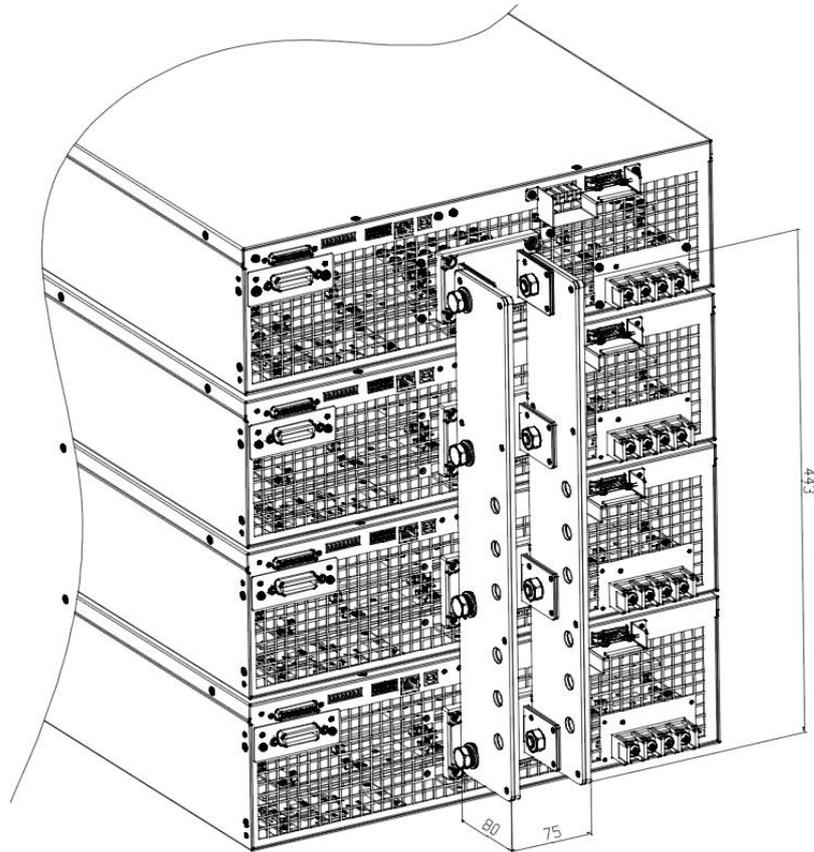
**PHU-02BLV**



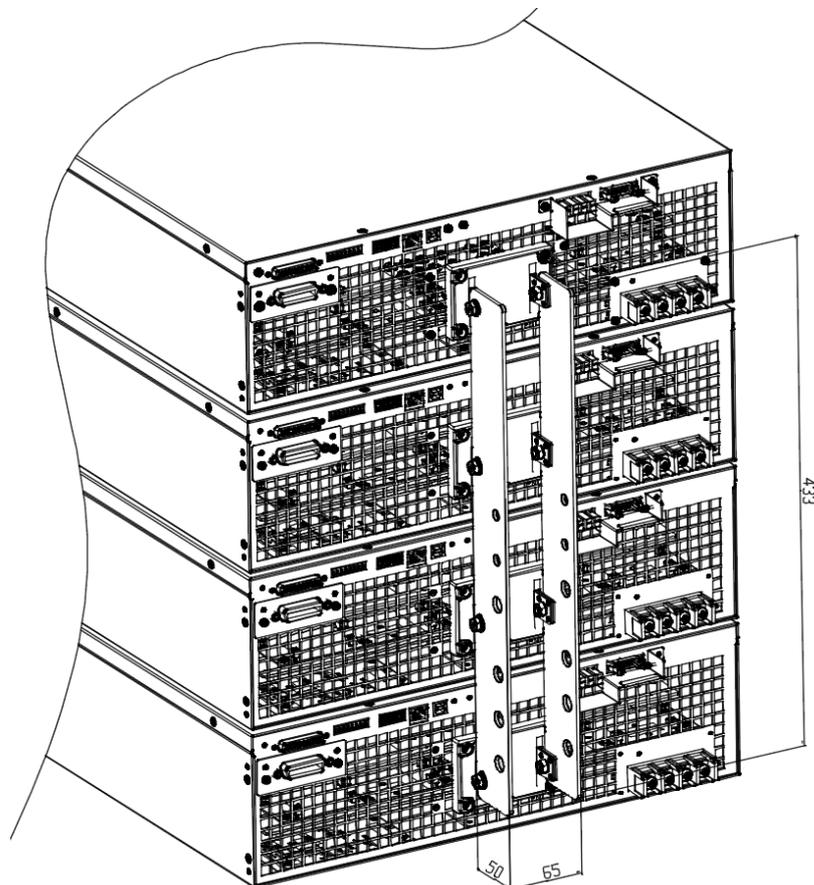
**PHU-02BHV**



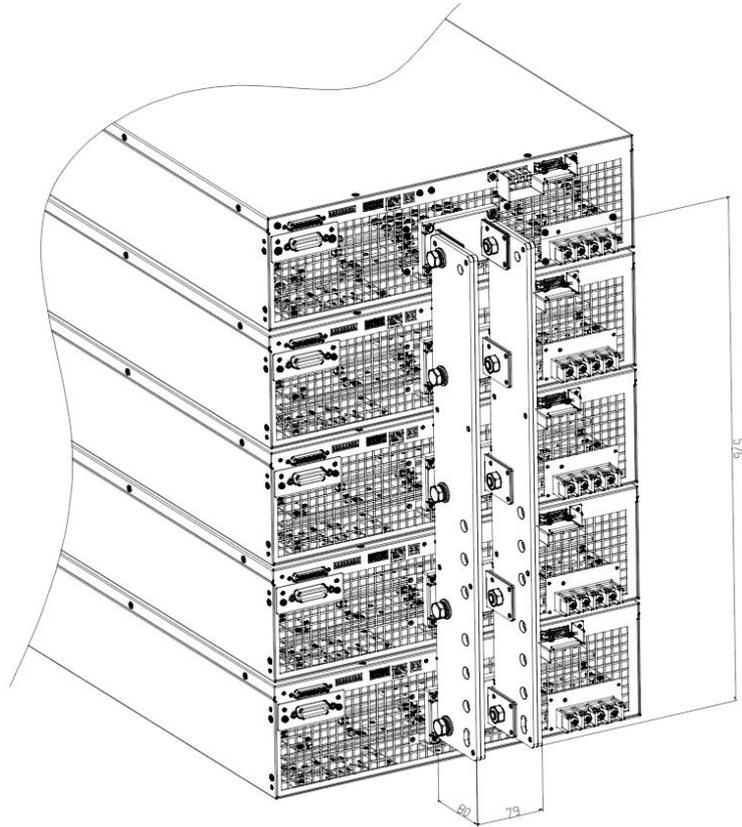
**PHU-03BLV**



**PHU-03BHV**



**PHU-04BLV**



**PHU-04BHV**

