



Illustrative photo

## General Features

- Efficiency 90%
- Output voltage:  $\pm 10 \text{ V} \div \pm 30 \text{ V}$  (selectable, L+/N/L-)
- Designed to be used together with AR 1000/RS rectifiers
- Power factor correction of 0,98 (almost sinusoidal output current)
- Universal design
- Possibility connections batteries and output
- Deep battery discharge protection (LVD)
- LVD control
- Input current limitation of 1 ÷ 7A
- Control panel with an LCD display
- Remote supervision via potential free relay contacts
- Temperature compensation of the recharging voltage of batteries
- Charging current limitation
- Log of records (up to 200 records)
- Output with symmetric voltage

## Applications

- Power supply of security technologies

## Description

This compact solution contains an AR 1000/RS rectifier and a PX2B control module. The BNH10R power supply allows for a connection of a load and batteries. The front panel contains an LCD display with buttons to measure and adjust various parameters. Remote supervision is done via 4 potential free relay contacts and an RS232 port to connect additional communication devices (SNMP adapter, GSM adapter, etc.). The BNH2 power supply is delivered assembled.



# BNH10 R Power Supply

## Technical data

Input	BNH10 R
Voltage	230V AC ± 10%
Frequency	50Hz, 47 ÷ 75Hz
Input current limitation	1 ÷ 7A
Max. Inrush current	5,5 A
Protection	10 A fuse
Efficiency	90%
Power factor	cos φ 0,98
Safety	EN 55022, class B, EN 60950
Output	BNH10 R
Operating voltage @ 20°C	± 10 V ÷ ± 30 V (selectable, L+/N/L-)
Output current	0 ÷ 16 A (depending on input limitations)
Voltage stability	± 0,3 V
System	BNH10 R
Dimensions (hwd)	275 x 182 x 450 mm
Weight (w/ rectifier)	15 kg
Ambient temperature	-15°C ÷ +50°C
Protection	IP 20
Cooling	Forced (fan)
Life expectancy	15 years (fans excluded)
Communication	BNH10 R
Visual and acoustic	LCD display (4 x 16 characters) + buzzer + LED diodes
Status control and monitoring	Control panel with an LCD display and „CANCEL“, „↑“, „↓“ and „ENTER“ buttons
Remote supervision	Free potential relay contacts, RS232
Other	BNH10 R
LVD	LVD control