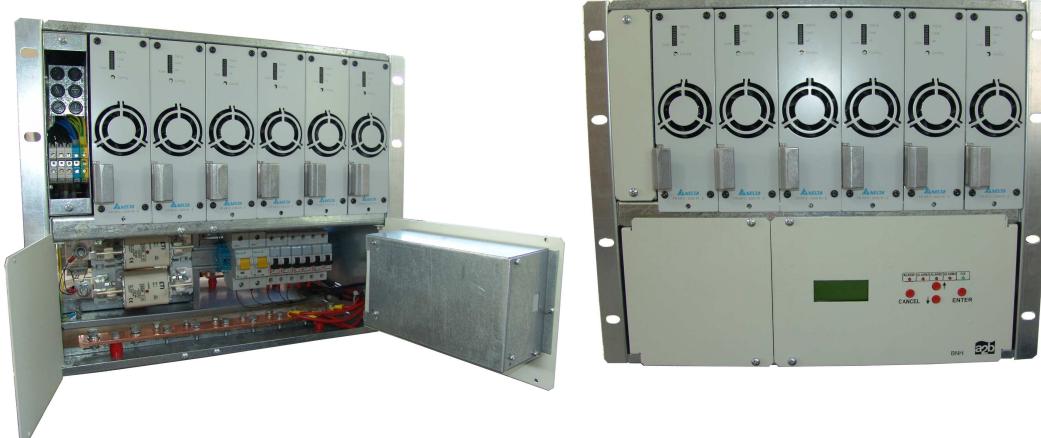


BNH2-6 Power Supply



Illustrative photo

General Features

- Efficiency $\geq 92\%$
- Output voltage: 48 V DC
- Designed to be used together with FR 48 V – 2000W rectifiers
- Wide input voltage: 88 to 300 V_{rms}
- Power factor correction of ~ 1 (almost sinusoidal output current)
- Built for mounting onto 19" racks, 9U high
- Connection of up to two battery sets and symmetry measuring
- Max. 13 x output breakers (type a and quantity - optional)
- LCD display with measurements and setup parameters
- Remote supervision via potential dry 4 relay contacts
- Remote monitoring via LAN (Ethernet)
- 2 x digital user inputs / outputs
- Possibility to control air-conditioning
- Temperature compensation of the recharging voltage of batteries
- Charging current limitation
- Low voltage disconnect (LVD)
- Log of records (up to 2000 records)

Applications

- Telecom, industrial, control and security technologies

Description

The BNH2-6 power and backup supply is designed for usage with industrial, control, telecom and security technologies. This compact 19" rack solution allows for a connection of up to 6 FR 48 V – 2000W rectifiers and an intelligent controller module.

BNH2-6 allows for a connection of up to 2 battery sets; the load can be connected to a maximum of 13 outputs. Batteries can be placed as stand-alone or kept with the power supply (depending on the size of the cabinet). The front panel contains an LCD display with buttons. Ships already assembled.



Technical data

BNH2-6	
Input	
Voltage	3NPE ,50Hz 230VAC/ TN-S (88 to 300 V _{RMS})
Voltage range, reduced power	88 to 184 V _{RMS}
Frequency	50Hz, 47 to 63Hz
Current	Max. 12A _{RMS} / 1 module rectifier
Inrush current	< 15 A _{PEAK}
Rectifier protection	Fuse 15A, type 5x20/ 1 module rectifier
Internal rectifier protection	Fuse 2x15A / 1 module rectifier
Recommended current limiting breaker	3p 32A C
Efficiency	≥92%
Power factor (PFC)	cos φ ~ 1,0
EMC	EN 55022
Safety	EN60950, IEC 950
Output	
Nominal voltage	48 V _{DC}
Operating voltage @ 20°C	54,5 V
Voltage range (selectable)	42 to 58 V _{DC}
Output protection	max. 13 x output breakers (type a and quantity - optional)
Output current / 1 rectifier module, limitation	limited 46,5 A at 43 V _{DC}
Output power / 1 rectifier module, limitation	Max. 2000W (constant power rectifier)
Other parameters	
Dimensions (h x w x d)	9U x 19" x 345 mm
Weight	21 kg / + modules rectifiers
Rectifier weight	4,4 kg
Ambient temperature	0°C to + 40°C
Protection	IP 20
Cooling	Forced (fans)
Communication	
Visual and acoustic	LCD display (3 x 16 characters) + buzzer + LED bar
Control and monitoring	Control panel with an LCD display and buttons
Remote signaling	LAN Ethernet Free potential contacts, Switching ability of 0,5 A @ 120 VAC / 0,4 A @ 60 DC (resistive load)

A2B, s.r.o. reserves the right to change any specifications without prior notice.

A2B, s.r.o., Horská 1, SK – 010 03 Žilina – Považský Chlmec

✉: +421 41 5000 490, ☎: +421 41 5252 114, ✉: a2b@a2b.sk, ☺: www.a2b.sk

2 / 2