

NS99/1000 Power Supply



Illustration photo

General Features

- Output voltage 24, 48, 60, 110, 220 V DC
- Designed to be used together with AR 1000, max. 6 pcs
- Built for mounting into 19" racks
- Output protection depending on customer's needs
- Connection 2 or 3 battery sets
- Deep battery discharge protection (LVD)
- History of 200 events record
- Communication interface RS232
- Battery charging temperature compensation, input current limitation
- Remote supervision via potential free relay contacts
- Real Time Circumference (RTC) back-up with battery
- Device access to modules and protections from front side
- Communication via Ethernet (optional accessories)

Application

- Telecom, industrial, control and security technologies

Description

The NS99/1000 power and backup supply is designed to supply industrial, control, telecom and security technologies. This compact 19" rack solution contains with 6 rectifiers AR 1000 operation parallel with balance load and intelligent control module.

The NS99/1000 power supply allows for a connection of 2 or 3 battery sets. 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. The NS98/1000 power supply is delivered assembled.

Technical data

NS99/1000	24V DC	48V DC	60V DC	110V DC	220V DC
Input	24V DC	48V DC	60V DC	110V DC	220V DC
Voltage		3 x 230V AC ±10% (3L + N + PE)			
Frequency		50Hz, 47 ÷ 63Hz			
Current		Max. 15 A (on phase)			
Efficiency		90%			
Power factor (PFC)		cos φ 0,98			
EMC		EN 55022			
Safety		EN 60950			
Output	24V DC	48V DC	60V DC	110V DC	220V DC
Output Voltage	24V DC	48V DC	60V DC	110V DC	220V DC
Operating voltage @ 20 °C	27,25 V	54,5 V	68,1 V	124,85 V	245,5 V
Voltage Range (selectable)	22 ÷ 29V DC	44 ÷ 58V DC	55 ÷ 72V DC	100 ÷ 130V DC	192,5 ÷ 269,5V DC
Output current, limitation	Max. 186 A	Max. 126 A	Max. 90 A	Max. 48 A	Max. 24 A
Voltage stabilization		± 0,3 V			
Protection (rectifier)		Over voltage protection – temperature – over current			
Charging temperature compensation		0 – 6 mV / °C / cell			
System	24V DC	48V DC	60V DC	110V DC	220V DC
Dimensions (hwd)		15U x 19" x 450 mm			
Weight (w/ rectifiers)		30 kg + 3,5 kg / 1 modules rectifiers			
Ambient temperature		0 °C ÷ + 40 °C			
Maximum altitude		Max. 2000 a.s.l.			
Protection		IP 20			
Cooling		Fan cooled			
Life expectancy		15 years (no Fan)			
Communication	24V DC	48V DC	60V DC	110V DC	220V DC
Visual and acoustic		LCD display (4 x 16 characters) + buzzer + LED			
Control and monitoring		Control panel with an LCD display and "CANCEL", "↑", "↓", "ENTER" buttons			
Remote signaling		Potential free relay contacts, RS232			

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