

# Power Distribution Unit PDU



# Power Distribution Unit PDU

## PDU

All PDU series are modularized and multi-functional power distribution units designed exclusively for cabinets. The product series are made up of many standards of power socket modules, controlled function module, protecting function module, surge protector module, etc. Case is made from white or oxidized to black Aluminum alloy. You can install them horizontally (fits 1U space in 19" systems) or vertically in cabinets. You also can install them on the floor, walls or under the desk. Standard cable length is 2,5 m. All PDU products are manufactured by environmental protection materials and components, accord with the regulations of European Union RoSH directive, and we also passed test of CE sign.

### Typical models

Plug	Socket qty. and type	Controls	Fit 1U	Catalogue No.
DIN 49441*1	5 x NF C61-314*2	Lighted master switch	No	1134Z10.05-1
DIN 49441*1	8 x NF C61-314*2	LED indicator	Yes	11340030.08-1
DIN 49441*1	9 x NF C61-314*2	LED indicator	Yes	11341030.09-1
DIN 49441*1	9 x DIN 49440*3	LED indicator	Yes	11341030.09-0
DIN 49441*1	8 x NF C61-314*2	Lighted master switch	Yes	11341010.08-1
DIN 49441*1	8 x NF C61-314*2	Surge protection	Yes	11341001.08-1
IEC 320 C14	8 x DIN 49440*3	Lighted master switch	Yes	11340210.08-0
IEC 320 C20	9 x NF C61-314*2	LED indicator	Yes	11341630.09-1
DIN 49441*1	12 x NF C61-314*2	LED indicator	No	11341030.12-1

\*1 - Universal (SCHUCKO + ground pin) plug

\*2 - Socket with Ground Pin (French and Polish standard)

\*3 - SCHUCKO (Germany) socket



DIN49441 \*1 (1134Z10.05-1)



DIN49441 \*1 (11341030.09-0)



DIN49441 \*1 (11341030.12-1)



DIN49441 \*<sup>1</sup> (11341030.09-1)



IEC 320 C20 \*<sup>5</sup> (11341630.09-1)



DIN49441 \*<sup>1</sup> (11341010.08-1)



IEC 320 C14 \*<sup>3</sup> (11340210.08-0)



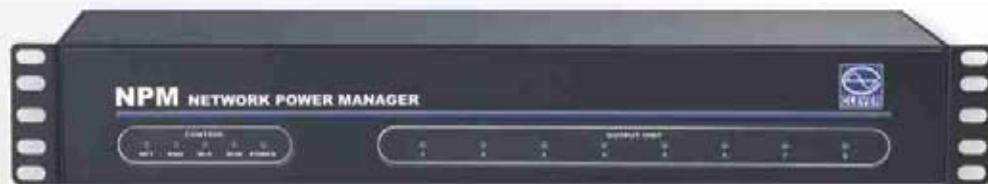
DIN49441 \*<sup>1</sup> (11341001.08-1)

# Power Distribution Unit NPM

## NPM

NPM (Network Power Manager) is the world-advanced new generation network managing power distribution and monitoring device. The administrator can monitor, control and manage many pieces of equipments in the cabinet or server room located all over the world. The network managing port can hold out TCP/IP, Web and SNMP standard. Also allow user to manage the power when internet is down only by modem (RS232 and RS485 port). You also can connect temperature, humidity, smog, water logging, door opening sensors.

NPM 2000 (1134N820.08-2)



## Function description

Can display, monitor and manage through controlling panel and network:

- Total load current
- Every single unit load current and limited alarm value
- Power on, power off and power state of every single output socket
- Keeping original state of every output socket when reset
- Sequentially power on and power off of output sockets
- Interval time and the timing power on and power off
- State of temperature/humidity, smog, water logging, door opening in the cabinets.
- The operating state of NPM system
- User-defined overload, exceed limit alarm value

Have overload/exceed limit alarm system and reliable three layers alarm system:

- NPM control panel status indicators flashing, horn beep
- PC management software interface status light flashing, horn beep
- automatically send E - mail to the system administrator
- Inquiry about alarm records
- Can connect temperature/humidity, smog, water logging and door opening sensor etc.



## NPM socket standard and chain

Provides IEC320 C13/C19 standard socket and other standard sockets for clients requirement. Can be configured 8-24 way output sockets. Can be chained up to 32 pieces.

## Available models

### NPM2000

- Horizontal installation in 19"standard
- Height 1U
- Input plug DIN49441 (16A) , IEC320 C20 (16A) or IEC60309 (16 A/32 A)
- Output: 8 IEC320 C13 (10 A) sockets
- Input voltage 250VAC
- Max. Load current 10A on socket, 16/32A on unit.

Main functions:

- Total load current
- Keeping original state of every output socket when reset
- Sequentially power on and power off of output sockets
- Interval time and the timing power on and power off



### NPM3000

- Horizontal installation in 19"standard
- Height 1U
- Input plug DIN49441 (16A) , IEC320 C20 (16A) or IEC60309 (16 A/32 A)
- Output: 8 IEC320 C13 (10 A) sockets
- Input voltage 250VAC
- Max. Load current 10A on socket, 16/32A on unit.

Main functions:

- Total load current
- Every single unit load current and limited alarm value
- Power on, power off and power state of every single output socket
- Keeping original state of every output socket when reset
- Sequentially power on and power off of output sockets
- Interval time and the timing power on and power off
- State of temperature/humidity, smog, water logging, door opening in the cabinets.
- Can connect temperature/humidity, smog, water logging and door opening sensor etc.



### NPM 4000

- Vertical installation
- Input plug 1 or 2 DIN49441 (16A) , IEC320 C20 (16A) or IEC60309 (16 A/32 A)
- Output: 8-24 IEC320 C13 (10 A) sockets
- Input voltage 250VAC
- Max. Load current 10A on socket, 16/32A on power line.

Main functions:

- Total load current
- Every single unit load current and limited alarm value
- Power on, power off and power state of every single output socket
- Keeping original state of every output socket when reset
- Sequentially power on and power off of output sockets
- Interval time and the timing power on and power off
- State of temperature/humidity, smog, water logging, door opening in the cabinets.
- Can connect temperature/humidity, smog, water logging and door opening sensor etc.

# Power Distribution Unit NPM

## Seria NPM5000

- Vertical installation
- Input plug IEC60309 (16 A/32 A)
- Output: 9-24 IEC320 C13 (10 A) sockets
- Input voltage 380VAC
- Max. Load current 10A on socket, 3x16/32A on unit.

NPM 5000 (1134NA50.18-2)



Main functions:

- Total load current
- Every single unit load current and limited alarm value
- Power on, power off and power state of every single output socket
- Keeping original state of every output socket when reset
- Sequentially power on and power off of output sockets
- Interval time and the timing power on and power off
- State of temperature/humidity, smog, water logging, door opening in the cabinets.
- Can connect temperature/humidity, smog, water logging and door opening sensor etc.

## Typical models

Model	Input	Output	Catalogue No.
NPM 2000	1 x DIN 49441 (16 A)	8 x IEC320 C13 (10 A)	1134N020.08-2
NPM 2000	1 x IEC 60309 (250V 32 A)	8 x IEC320 C13 (10 A)	1134N820.08-2
NPM 3000	1 x DIN 49441 (16 A)	8 x IEC320 C13 (10 A)	1134N030.08-2
NPM 3000	1 x IEC 60309 (250V 32 A)	8 x IEC320 C13 (10 A)	1134N830.08-2
NPM 4000	1 x IEC 60309 (250V 32 A)	16 x IEC320 C13 (10 A)	1134N840.16-2
NPM 4000	1 x IEC 60309 (380V 16 A)	20 x IEC320 C13 (10 A) 4 x IEC320 C19 (16 A)	1134N940.20-2, 04-6
NPM 5000	1 x IEC 60309 (250V 32 A)	16 x IEC320 C13 (10 A)	1134NA50.18-2
NPM 5000	1 x IEC 60309 (380V 32 A)	12 x IEC320 C13 (10 A) 6 x IEC320 C19 (16 A)	1134NA50.12-2, 06-6

Accord with RoHS directive;

Have passed correlative safety authentication;



NPM 5000 (1134NA50.18-2)

## NPM II

NPM II is next series of Network Power Manager units. They are the world-advanced third generation Network Power Manager products, with browser access, friendly Web management interface, multi-user operating system, compatible with different types of network connections, and real-time monitoring of network equipment, control, SNMP, and other functions.

NPM 3100 (1134N831.08-5)



- Browser access, a friendly user interface, multi-user support.
- Network remote monitoring, control and management.
- Daisy-chain several NPM, centralized configuration and management.
- Load current monitoring of each single unit, total load current monitoring of NPM.
- Each single unit power on and power off, control several independent modules of power on and power off at the same time.
- Reset function of one or more independent control unit.
- Configure load current of every single unit and group and the NPM total load current.
- Keeping the original state of every output unit when reset.
- Sequential power on and power off when reset.
- Temperature / humidity restrict function.
- Monitor the state of temperature / humidity, smoke, water logging, door opening, and other equipments in cabinet.
- Multi-layers alarm functions such as voice, mail and etc.
- Log setting, enquiring, recording, and other functions.

### Advanced features description:

- Inquiry about NPM (Network Power Manager) versions, CPU utilization, running time of the system, hardware address of system information.
- HTTP / SSL configuration information.
- Telnet/SSH configuration information.
- SNMP network management.
- Software upgrade.
- Add, delete users and configure user's title and edit user's information.
- Several access methods:
  - Web, access control.
  - SNMP (V1/V2C/V3), access and control through standard network management workstation.
  - Telnet, SSH, access and control through command-line console-style.
  - RS -232, control by RS-232 command-line.
- Daisy-chain functions:
  - Support NPM daisy-chain, radiation-link method, at most 10 sets.
  - Support different grade, series NPM daisy-chain.

# Power Distribution Unit NPM II

## Seria NPM3100

- Horizontal installation in 19" standard
- Height 1U
- Input plug DIN49441 (16A), IEC320 C20 (16A) or IEC60309 (16 A/32 A)
- Output: 8 IEC320 C13 (10 A) sockets
- Input voltage 250VAC
- Max. Load current 10A on socket, 16/32A on unit.

Main functions:

- Total load current
- Every single unit load current and limited alarm value
- Power on, power off and power state of every single output socket
- Keeping original state of every output socket when reset
- Sequentially power on and power off of output sockets
- Interval time and the timing power on and power off
- State of temperature/humidity, smog, water logging, door opening in the cabinets.
- Can connect temperature/humidity, smog, water logging and door opening sensor etc.

## Seria NPM4100

- Vertical installation
- Input plug 1 or 2 DIN49441 (16A) , IEC320 C20 (16A) or IEC60309 (16 A/32 A)
- Output: 16 IEC320 C13 (10 A) sockets
- Input voltage 250VAC
- Max. Load current 10A on socket, 16/32A on power line.

Main functions:

- Total load current
- Every single unit load current and limited alarm value
- Power on, power off and power state of every single output socket
- Keeping original state of every output socket when reset
- Sequentially power on and power off of output sockets
- Interval time and the timing power on and power off
- State of temperature/humidity, smog, water logging, door opening in the cabinets.
- Can connect temperature/humidity, smog, water logging and door opening sensor etc.

## Typical models

Model	Input	Output	Catalogue No.
NPM 3100	1 x DIN 49441 (16 A)	8 x IEC320 C13 (10 A)	1132N031.08-3
NPM 3100	1 x IEC 60309 (250V 32 A)	8 x IEC320 C13 (10 A)	1134N831.08-3
NPM 4100	1 x IEC 60309 (250V 32 A)	16 x IEC320 C13 (10 A)	1134N841.16-5
NPM 4100	2 x IEC 60309 (250V 32 A)	16 x IEC320 C13 (10 A)	1134N941.16-5

Accord with RoHS directive.

Have passed correlative safety authentication.

# Power Distribution Unit SPDU

## Seria SPDU2000

- Montaż panelowy w standardzie 19"
- Wysokość 1U
- Wejście wtyk DIN49441 (16A) , IEC320 C20 (16A) lub IEC60309 (16 A/32 A)
- Wyjście - 8 gniazd IEC320 C13 (10 A)
- Napięcie zasilania 250VAC
- Maks. obciążenie 10A na gniazdo, 16/32A na listwę.

## Seria SPDU3000

- Montaż pionowy
- Wejście 1 lub 2 wtyki DIN49441 (16A) , IEC320 C20 (16A) lub IEC60309 (16 A/32 A)
- Wyjście – od 8 do 32 gniazd IEC320 C13 (10 A)
- Napięcie zasilania 250VAC
- Maks. obciążenie 10A na gniazdo, 16/32A na linię zasilania.
- Zabezpieczenie przed wypadaniem wtyczek z gniazd

## Seria SPDU4000

- Montaż pionowy
- Wejście wtyk IEC60309 (16 A/32 A)
- Wyjście – od 8 do 32 gniazd IEC320 C13 (10 A)
- Napięcie zasilania 380VAC
- Maks. obciążenie 10A na gniazdo, 3x16/32A na listwę.
- Zabezpieczenie przed wypadaniem wtyczek z gniazd

## Dostępne modele

Model	Wejście	Wyjście	Nr.katalogowy
SPDU 2000	1 x DIN 49441 (16 A)	8 x IEC320 C13 (10 A)	1132S020.08-2
SPDU 2000	1 x IEC 60309 (250V 32 A)	8 x IEC320 C13 (10 A)	1134S820.08-2
SPDU 3000	1 x IEC 60309 (250V 32 A)	16 x IEC320 C13 (10 A)	1134S830.16-2
SPDU 3000	2 x IEC 60309 (250V 32 A)	24 x IEC320 C13 (10 A)	1134S930.24-2
SPDU 3000	2 x IEC 60309 (250V 32 A)	20 x IEC320 C13 (10 A) 4 x IEC320 C19 (10 A)	1134S930.20-2, 04-6
SPDU 4000	1 x IEC 60309 (380V 16 A)	16 x IEC320 C13 (10 A)	1134SA40.16-2
SPDU 4000	1 x IEC 60309 (380V 32 A)	24 x IEC320 C13 (10 A) 4 x IEC320 C19 (16 A)	1134SB40.24-2, 08-6

Listwy posiadają znak bezpieczeństwa CE;  
Produkt wykonany zgodnie z dyrektywą RoHS;

Istnieje możliwość dopasowania typu gniazd w listwie i wtyku na kablu do wymogów odbiorcy.



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