



NAPCO®

333 Bayview Avenue
Amityville, New York 11701
For Sales and Repairs, (800) 645-9445
For Technical Service, (800) 645-9440

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NP-LPS6-24VDC LINEAR POWER SUPPLY

WI1325D 12/05



DESCRIPTION

This variable-purpose power supply is suitable for many different applications for security, access control and CCTV system accessories that need supplementary power. NP-LPS6-24VDC power supply/charger converts low voltage AC input into 6VDC or 12VDC (@ 1.5 amps or 24VDC @ 1A of continuous supply current). See specifications that follow.

FEATURES

- Dip switch selectable 6VDC-12VDC-24VDC.
- 1.5 amp continuous supply current at 6VDC-12VDC.
- 1A continuous supply current at 24VDC.
- Filtered and electronically regulated output.
- Built-in charger for sealed lead acid or gel type batteries.
- Maximum charge current 300mA.
- Automatic switchover to stand-by battery when AC Fails.
- Circuit breaker battery protection (fused available).
- AC input and DC output LED indicators.
- Extremely compact design.
- Includes battery leads.

Board dimensions: 70mm L x 60mm W x 40mm H

Voltage Output/Transformer Selection Table:

Output	Voltage Selector (DIP SWITCH)	Transformer
24VDC @ 1A continuous supply current	1. ON 2. ON	P-TRF2450
12VDC @ 1.5 amp continuous supply current	1. ON 2. OFF	P-TRF1650
6VDC @ 1.5 amp continuous supply current	1. OFF 2. OFF	P-TRF1650

INSTALLATION INSTRUCTIONS

1. Mount NP-LPS6-24VDC in desired location / enclosure.
2. **Unit is factory set for 12VDC.** For 6VDC output dip switch 2 off, for 24VDC output dip switch 1 on.
3. Connect proper transformer to terminals marked [AC] (refer

to Voltage Output/Transformer Selection Table).

Use 18 AWG or larger for all power connections (Battery, DC output).

Keep power limited wiring separate from non-power limited wiring (115VAC / 60Hz Input, Battery Wires). Minimum .25" spacing must be provided.

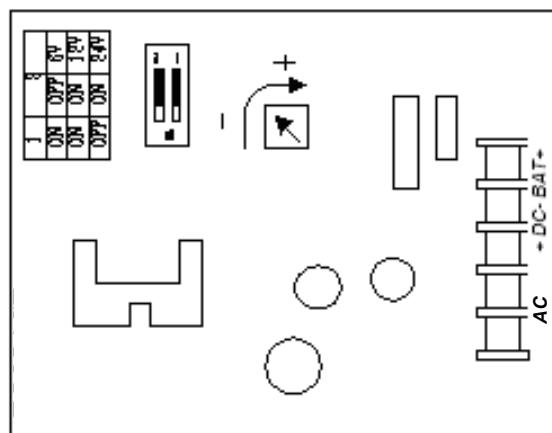
4. Devices to be powered should be connected to terminals marked [+ DC] and [- DC] carefully observing polarity.
Note: It is important to measure output voltage before connecting devices. This helps avoid potential damage.
5. Connect battery to terminals marked [BAT +] and [BAT -] (battery leads included). Use two (2) 12VDC batteries connected in series for 24VDC operation.

Note: When batteries are not used, a loss of AC will result in a loss of output voltage.

LED Diagnostics:

Red (DC)	Green (AC)	Power Supply Status
ON	ON	Normal operating condition.
OFF	ON	No DC output. Short circuit or thermal overload condition.
OFF	OFF	No DC output. Loss of AC. Discharged or no battery present.

Terminal Identification:



Terminal Legend	Function/Description
AC	Low voltage AC input (refer to voltage output/transformer selection table).
+ DC -	6VDC-12VDC @ 1.5 amp continuous supply current. 24VDC @ 1A continuous supply current.
+ BAT -	Stand-by battery connections. Maximum charge rate 300mA.

APPENDIX LIST

Item	Description	Dimension	Volume	Memo
1	Instruction Sheet	A4	1	
2	Wire	18AWG 22cm	1	Red
3	Wire	18AWG 22cm	1	Black
4	Double Stick Foam Tape	60*20*7mm	1	