NAPCO®
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NP-P7A
7 AMP POWER SUPPLY / CHARGER

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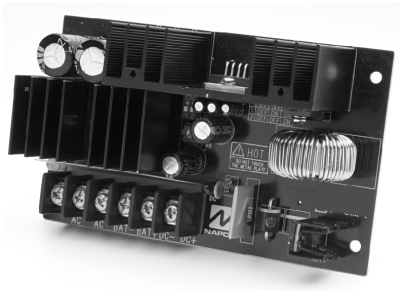


DESCRIPTION

The NP-P7A power supply/charger converts low voltage AC input into 6VDC, 12VDC or 24VDC @ 7 amps of continuous supply current (see features). This general-purpose power supply has a wide range of applications for access control, security and CCTV system accessories that require additional power.

FEATURES

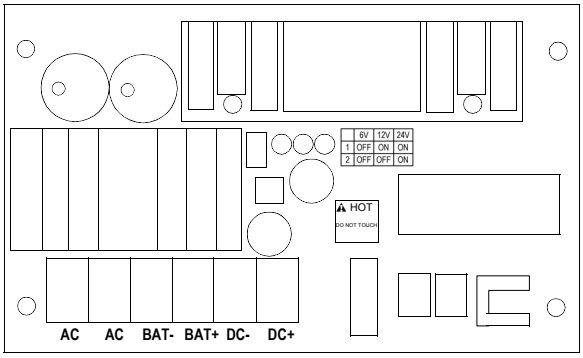
- Dip switch selectable 6VDC-12VDC-24VDC output.
- 7 amps continuous supply current at 6VDC-12VDC-24VDC*.
- Filtered and electronically regulated output.
- Built-in charger for sealed lead acid or gel type batteries.
- Maximum charge current 300mA.
- Automatic switch over to stand-by battery.
- Battery short circuit protection (circuit breaker).
- Thermal overload and short circuit protection.
- AC input and DC output LED indicators.
- Extremely compact design.
- Includes battery leads.
  Board dimensions: 96.52mm L x 76.20mm W x 60mm H
  * Specified at 25° C ambient.

VOLTAGE OUTPUT/TRANSFORMER SELECTION TABLE		
Output Voltage	**Dip Switch Position**	**Transformer / Output Rating**
6VDC @ 7 amps continuous supply current	1. OFF 2. OFF	NP-TRF28100
12VDC @ 7 amps continuous supply current	1. ON 2. OFF	NP-TRF28175
24VDC @ 7 amps continuous supply current	1. ON 2. ON	NP-TRF28300
Note: Transformers with higher VA ratings may be used for all output voltages above as long as you do not exceed 28VAC.		

INSTALLATION INSTRUCTIONS

The NP-P7A should be installed in accordance with The National Electrical Code and all applicable Local Regulations.

1. Mount the NP-P7A in desired location/enclosure.
2. Set DC output voltage with dip switches (refer to Voltage Output/Transformer Selection Table).
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. Connect devices to be powered to terminals marked [+ DC -].
   Note: It is important to measure output voltage before connecting devices to help avoid potential damage.
5. When the use of stand-by batteries are desired, they must be lead acid or gel type. Connect battery to terminals marked [+ BAT -] on the unit (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 the loss of output voltage.



LED DIAGNOSTICS		
Red (DC)	**Green (AC)**	**Power Supply Status**
ON	ON	Normal operating condition.
ON	OFF	Loss of AC, Stand-by battery supplying power.
OFF	ON	No DC output. Short circuit or thermal overload condition.
OFF	OFF	No DC output. Loss of AC. Discharged or no battery.

TERMINAL IDENTIFICATION	
Terminal Legend	**Function/Description**
AC	Low voltage AC input (see Voltage Output/Transformer Selection Table). For 6VDC output use 28VAC or higher with 100VA power rating or higher. For 12VDC output use 28VAC with 175VA power rating or higher. For 24VDC output use 28VAC with 300VA power rating or higher. Caution: Do not apply voltages above 28 VAC (28 VAC is maximum input rating)
+ BAT --	Stand-by battery connections. Maximum charge rate 300mA.
+ DC --	6VDC-12VDC-24VDC @ 7 amps continuous supply current.

APPENDIX LIST				
Item	**Description**	**Dimension**	**Volume**	**Memo**
1	Instruction Sheet	120*80	1	
2	Wire	18AWG 22cm	1	Red
3	Wire	18AWG 22cm	1	Black
4	Double Stick Foam Tape	60*10*7mm	4	