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PARADOX PS817 1.75A Switching Power Supply



Specifications

- Model: PS817

- Power Supply Type: Switching Power Supply
- Input Voltage: 16.5 VAC
- Power Consumption (without load): 63 mA
- Battery Charge Current Options: 350 mA or 700 mA
- Transformer Requirements: 40 VA for 700 mA charge current, do not use a 20 VA transformer for 700 mA

Product Usage Instructions

1. Installation:

1. Install the dedicated transformer as shown in the diagram provided.
2. Do not share the transformer with another power supply.

2. Backup Battery Connection:

1. Connect the backup battery, ensuring correct polarity.
2. Select the battery charge current (350 mA or 700 mA) using the Charge Current jumper.
3. Use a 40 VA transformer when choosing the 700 mA charge current to avoid system damage.

3. Local Battery Test:

1. To test the battery, connect the TST input to the – terminal of PS817.
2. If the battery is insufficient, the output supply will drop by 25%.

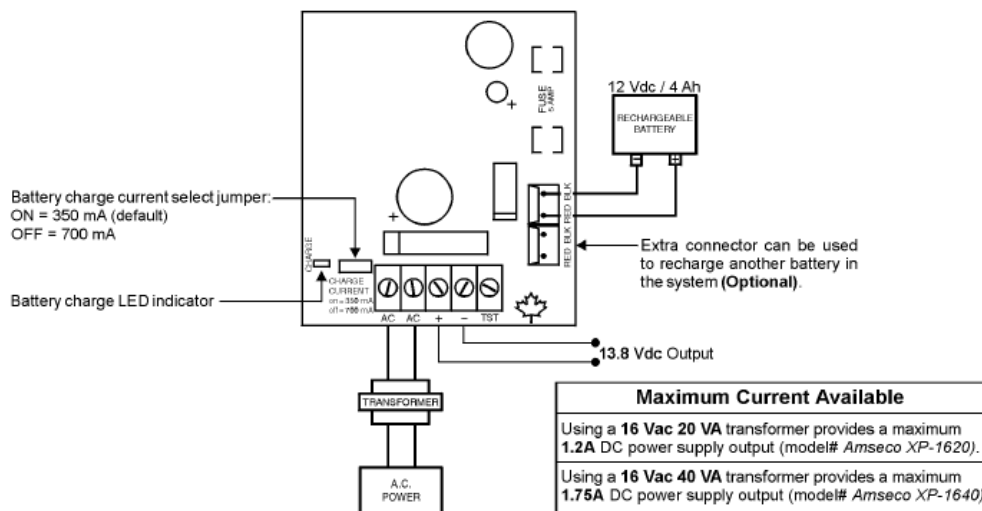
4. Connecting Load:

1. Connect the required load to the + and – terminals of the power supply.

Features

- 13.8 Vdc, 1.75A Switching Power Supply
- Automatic transfer to standby battery power (in case of AC power failure)
- Battery fused at 5A (short circuit protection)
- Battery charge LED indicator
- Jumper selectable battery charge current (350 mA or 700 mA)
- Works with gel-cell and lead-acid batteries
- Battery test input
- 4 mounting holes
- Size: 5.75 x 7.5 x 2.75 cm (2.25 x 3 x 1.1 in.)

The PS817 must use a dedicated transformer. Do not share a transformer being used by another power supply.



Power Consumption

(without load) 63 mA at 16.5 Vac

Installation

1. Install the desired transformer as shown in the diagram above. The PS817 must use a dedicated transformer. Do not share a transformer being used by another power supply.
2. To provide power during a power failure, connect the desired backup battery (verifying proper polarity), then select the appropriate battery charge current (350 mA or 700 mA) using the "Charge Current" jumper as shown in the diagram above.
A 40 VA transformer is required when selecting the 700 mA battery charge current. Using a 20 VA transformer with a battery charge current of 700 mA may damage the system.
3. To conduct a "local" battery test, connect the PS817's "TST" input to the "-" terminal of the PS817. The output supply will drop by 25% if the battery cannot supply adequate power.
4. Connect the required load to the "+" and "-" terminals of the power supply.

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Frequently Asked Questions

- **Q: Can I use a transformer shared with another power supply for PS817?**

A: No, the PS817 must use a dedicated transformer. Sharing a transformer may cause issues.

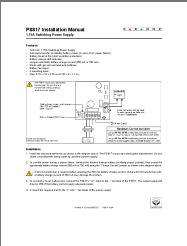
- **Q: What happens if I use a 20 VA transformer with a 700 mA battery charge current?**

A: Using a 20 VA transformer with a 700 mA battery charge current may damage the system. It is recommended to use a 40 VA transformer for this configuration.

- **Q: How can I test the local battery performance with PS817?**

A: Connect the TST input to the – terminal of the PS817. If the battery cannot supply sufficient power, the output supply will drop by 25%.

Documents / Resources

	PARADOX PS817 1.75A Switching Power Supply [pdf] Owner's Manual PS817-EI03, PS817-EI04, PS817 1.75A Switching Power Supply, PS817, 1.75A Switching Power Supply, Switching Power Supply, Power Supply
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References

- [▲ Paradox - Headquarters](#)
- [User Manual](#)

Paradox

1.75A Switching Power Supply, Paradox, Power Supply, PS817, PS817 1.75A Switching Power Supply, PS817-EI03, PS817-EI04, Switching Power Supply

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