

HIGH CURRENT POWER SUPPLY

HCP-12SA

SPECIFICATIONS & INSTRUCTIONS

MOOSE

APPLICATION

High Current Switching Power Supply for applications where additional power or greater efficiency is needed. Comes complete with transformer and battery or as a board only version. Operates with 12 or 24 VDC output.

SPECIFICATIONS

- ❑ Temperature range -30° to +50° celcius
- ❑ Humidity: 90%
- ❑ Primary Input:
12 Volt DC Operation 18 VAC, 45 VA Transformer
24 Volt DC Operation 30 VAC, 35 VA Transformer
- ❑ Output :

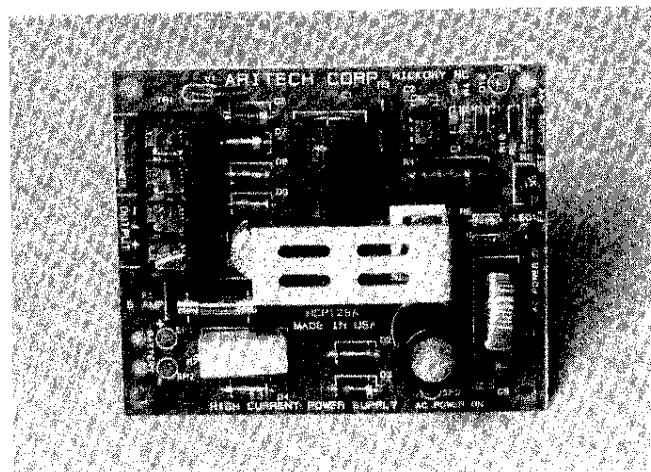
DC Voltage	Max. Load	Battery Charge
12 Volt DC	2 Amp.	500 mA
24 Volt DC	2 Amp	500 mA
- ❑ 5 amp output upon alarm with battery attached.
- ❑ Fused at 5 amps on alarm output.
- ❑ Built-in charger for sealed lead acid batteries.
- ❑ MOV Lightning / Transient protection.
- ❑ Filtered input and output.
- ❑ Quick-Lock screw terminals.
- ❑ 150 mV AC ripple @ 2 amps.
- ❑ Battery:
12 volt, 6 amp hour sealed lead acid rechargeable.
Mounts in any position.
2 batteries in series required for 24 VDC application.
- ❑ Triggered regulator shed (allows output to show true battery voltage when activated).
- ❑ Dimensions: 3.5" x 4.25" x 1.75"

FEATURES

- ❑ Switching Power Supply
- ❑ Low power dissipation (less than that of a linear power supply).
- ❑ Current limit overload protection.
- ❑ Superior transient filtering than a linear power supply.
- ❑ AC on indicating LED.
- ❑ Automatic switchover to standby battery.

OPTIONS

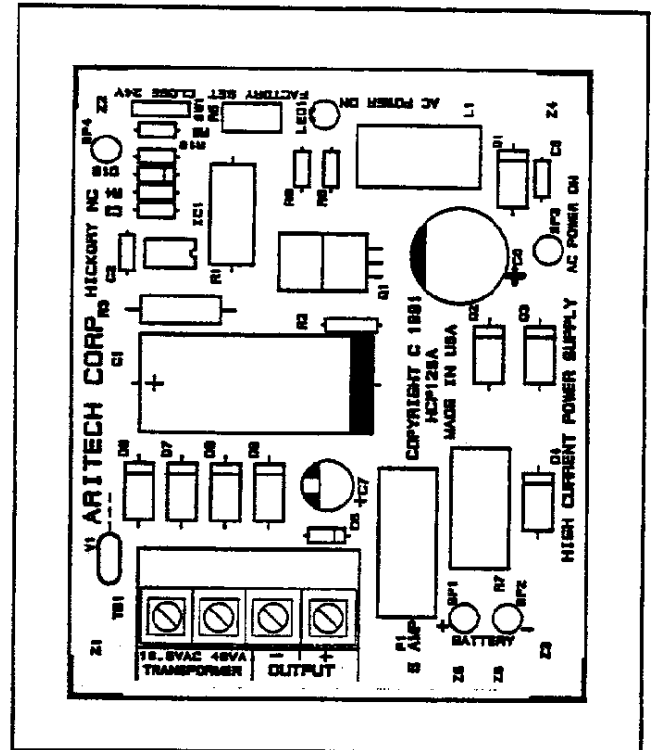
- ❑ HCP-12SA- Board only with 12 or 24 volt capability.
- ❑ HCP-12SAC- Complete power supply with 12 volt, 6 AH battery and 18volt and 45 VA transformer.



INSTRUCTIONS:

PRELIMINARY

1. Select proper voltage setting. Factory setting is 12VDC, for 24VDC close switch SW1.
2. Connect the AC transformer to the appropriately marked transformer input terminals. No polarity observed. The HCP-12SA requires a **18 volt AC 45VA** transformer for 12 volt operation. **When 24 volt operation is used a 30 volt AC, 35VA minimum rated transformer must be used.**
3. Connect load equipment to terminals marked (+ and - OUTPUT). This regulated output will supply 2 amps continuous upon demand and **5 amps** upon alarm or other high load conditions. **(Provided a battery is connected)**
4. Connect the battery to the +Battery lead (Red Wire) and the - Battery lead (Black Wire).
5. Inspect the hook-up to insure that there are no short circuits on the load side of the power supply or the transformer.
6. Plug in the transformer. The output should be active and the AC Power LED should now be on.



NOTE: Shorting the transformer output will blow the internal transformer fuse and void the transformer warranty.