

# HOOK-UP INFORMATION

## CAT # PS-5046

## Martek Power Supply # PVI-50-46BU

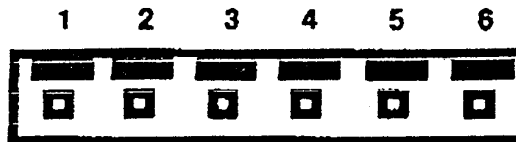
Rated for 57 Watts Max., outputs are 5 VDC @ 6.5 Amps, 3.5 Vdc @ 2.5 Amps, 12 Vdc @ 0.8 amps and -12 Vdc @ 0.5 Amps. The unit has a 2.5 second delay-on feature to allow for detection of valid AC power input before starting up.

## CONNECTIONS

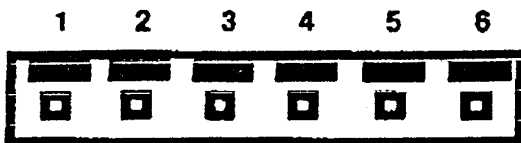
**The 2-pin Molex-type connector** with thick Red and Black leads is for charging a 12 Vdc lead-acid battery, 10 Amp max. If AC voltage is lost, power supply will continue to run from the battery. A mating connector for battery is supplied. It is important that correct polarity is observed, Red = Positive (+), Black = Negative (-).

**Connectors P1, P3 and the 4-pin Molex-type connector** have 5 and 12 Vdc outputs.

Pin 1, 2, 3      Black = Ground  
Pin 4            Yellow = +12 Vdc  
Pin 5, 6        Red = +5 Vdc



**Connector P2** is for monitoring battery voltage. It also has outputs for -12 and 3.6 Vdc.



Pin 1	Blue	Battery Voltage Monitor
Pin 2	Orange	Status Monitor - TTL High, 5.04V = AC present TTL Low, 0V = AC off
Pin 3	Brown	Remote Shutdown input. TTL High will shut down power supply when operating in battery mode. AC input required to restart power supply.
Pin 4	White	-12 Vdc
Pin 5	Green	+3.6 Vdc
Pin 6	Black	Ground