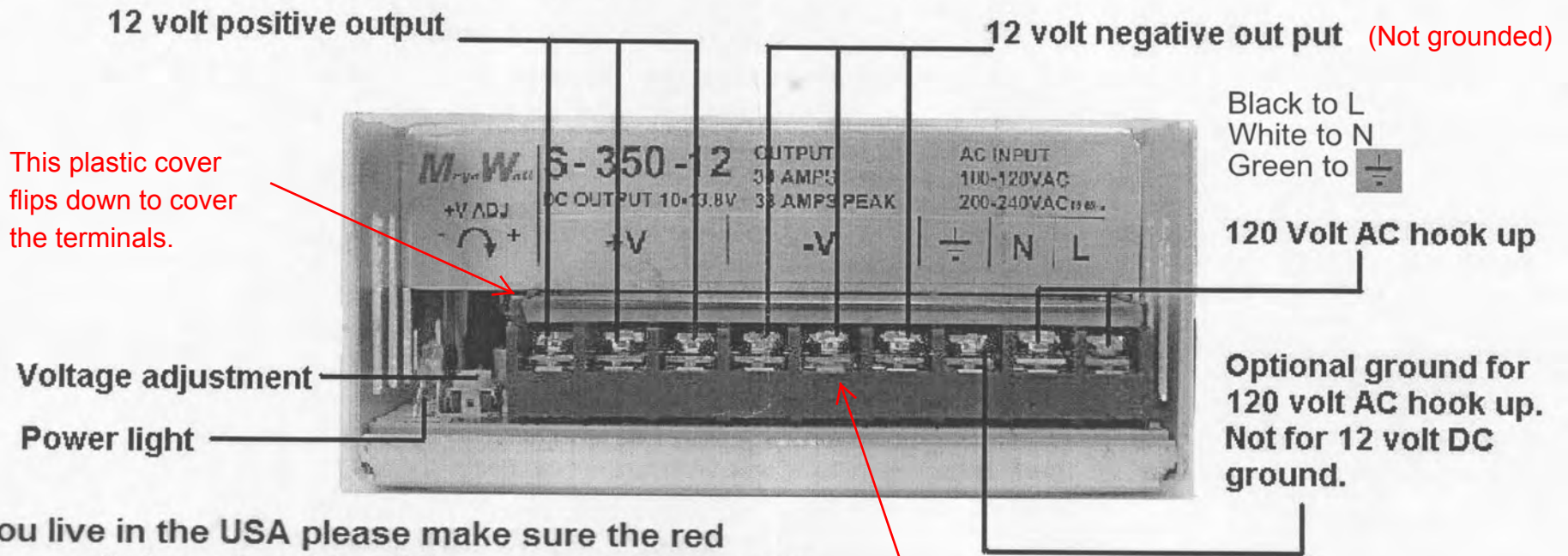


Annotations in red were added by Eric Lemmon, WB6FLY

Note: It is normal for the cooling fan to run at all times, hot or cold. The fan speed (RPM) is thermostatically controlled by the heat build up in the power supply. The fan sticker on the power supply refers to the older circuit design which had less adequate cooling.

Side mounting screws are metric M4 6mm screws (0.7 mm pitch)

For best charging of 12 volt car batteries set to 13.8 volts



If you live in the USA please make sure the red power switch on the side of the unit is set in the 115 volt position. Other countries that use 230 volts please turn the switch to the 230 volt position.

For three prong power cords, hook the black to the L, the white to the N and the green to the ground terminal just to the left of the L and N terminals.

These terminal screws are M4 / 0.7 mm- use block fork lugs for #8 screws.

General Specifications

(FOR MEGA-WATT MODEL S-320-12 POWER SUPPLY)

SETUP, RISE, HOLD TIME	200ms, 50ms, 20ms at full load
VOLTAGE RANGE	90 ~ 132VAC / 180 ~ 264VAC by switch 254 ~ 370VDC
FREQUENCY RANGE	47~63Hz
AC CURRENT	6.5A/115VAC 4A/230VAC @ 747 Watts
INRUSH CURRENT (max.)	50A/115VAC 50A/230VAC
LEAKAGE CURRENT	<3.5mA / 240VAC
OVER LOAD	105~135% rated output power Protection type : Hiccup mode, recovers automatically after fault condit
OVER VOLTAGE	Protection type : Hiccup mode, recovers automatically after fault condition is removed
WORKING TEMP.	-10 ~ +50°C (Refer to output load derating curve)
WORKING HUMIDITY	20 ~ 90% RH non-condensit
STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH
TEMP. COEFFICIENT	?0.03%/°C (0 ~ 50°C)
VIBRATION WITHSTAND VOLTAGE	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes
ISOLATION RESISTANCE	I/P-O/P:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
MTBF	234.3K hrs min. MIL-HDBK-217F (25°C)
FAN ON/OFF CONTROL	RTH3 55°C FAN ON, 45°C FAN OFF, 80°C output shutdown (5 ~ 7.5V) - RTH3 65°C FAN ON, 55°C FAN OFF, 80

NOTE: Unit contains an internal glass fuse, 5 x 20 mm, rated 8 A

S-350-12

DC Voltage	Rated Current	Current Range	Rated Input Power	Ripple & Noise	Voltage ADJ Range	Voltage Tolerance	Line Regulation	Load Regulation	Efficiency	Over Voltage
12V	30A	0-33A	747W	50mVp-p	15%	±1.0%	±0.5%	±0.5%	84%	13.8-16.2V

DIMENSIONS: 8.5" x 4.5" x 1.9" (215 x 113 x 49 mm)

WEIGHT: 31.6 OUNCES (896 grams)

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