

UNIVERSAL INPUT HARMONIC CORRECTION (PFC) AC-DC EXTERNAL DESKTOP ADAPTOR SINGLE OUTPUT 68 WATTS SWITCHING POWER SUPPLIES APS70EP SERIES



FEATURES:

- ACCOMMODATES UNIVERSAL AC INPUT
- DESKTOP IEC320-3PL AC RECEPTACLE
- MEETS IEC 1000-3-2 HARMONIC CORRECTION
- MEETS UNIVERSAL SAFETY STANDARDS
- EMI MEETS EN 55022/FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Typ. 90-264Vac.
Power Factor Correction (PFC) installed.
Input Connector: IEC320-3PL AC receptacle.
Input Frequency: 47-63Hz.
Inrush Current: 60A@230Vac.
Input Current: Typ. 0.7A@115Vac & 0.37A@230Vac.
Dielectric Withstand: Meet IEC950
EMI: Meet EN55022 / FCC Class B.
Power Factor Correction: Meet IEC1000-3-2
Harmonic Correction. PF typ. 0.95 - 0.99
Hold-up Time: Typ. 16mS @ 115Vac & 38.4mS@230Vac
Over Temp. Protection (OTP): Installed.
Earth Leakage: 0.34mA @ 230Vac.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: Typ. 68W.
Connector & Cord: Optional.
Line Regulation: Typ. 0.1%.
Load Regulation: Typ. $\pm 3.0\%$.
Noise & Ripple: Typ. 1.0% peak to peak.
OVP: Built-in. (Latch).
Adjustability: Factory set.
Overload Protection: Fully protected against output
overload and short circuit.
Typically set at 116% max. load.
Consult the factory for special OLP setting.

GENERAL SPECIFICATION

Efficiency: Typ. 87%
Switching Frequency: Approximate 73KHz
Circuit Topology: Fixed frequency flyback circuit.
Transient Response: Output voltage returns in about
0.4mS following a 50% load change.
Safety Standard: UL1950/EN60950 Class I.
Power Density: 5.83 Watts / Cubic Inch.

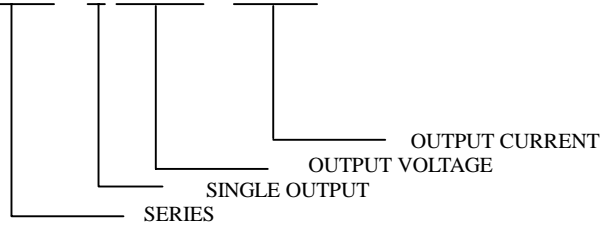
Operating Temperature: 0 to +40°C.
Storage Temperature: -20°C to +85°C.
Temperature Coefficient: Typ. 0.04% / °C.
Cooling: Free air convection cooling.
Construction format: Impact resistant thermo- plastic
enclosure. Desktop Format.

Note: (1) All measurements are at nominal input, full load, and +25°C unless otherwise specified.

(2) Load regulation is measured at 115Vac or 230Vac in percentage to indicate the change in output voltage as the load is varied from half load to full load(\pm).

(3) The typical cord length is about 1 meter (3.3 ft.), AWG#18 cord for various load conditions.

MODEL NO. DESCRIPTION: APS70EP - S XXX YYY



OUTPUT VOLTAGE / CURRENT RATINGS CHART

SINGLE OUTPUT

MODEL NO.	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (A)
APS70EP-S160400	16.0V	4.0A
APS70EP-S180380	18.0V	3.8A
APS70EP-S190370	19.0V	3.7A
APS70EP-S200360	20.0V	3.6A

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 324.0g (11.5 Oz.)

