

APS

Advanced Power Solutions

UNIVERSAL INPUT AC TO DC EXTERNAL ADAPTER QUAD OUTPUT 10-16 WATTS SWITCHING POWER SUPPLIES APS24.5ES-490



FEATURES:

- ACCOMMODATES UNIVERSAL AC SOURCES
- DESKTOP IEC320-3P AC RECEPTACLE
- MEETS UNIVERSAL SAFETY STANDARDS
- EMI MEETS EN 55022/ FCC CLASS B
- CE MARKING COMPLIANCE
- ON/OFF AC POWER SWITCH

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: 90-264Vac typical
Input Connector: IEC320-3P DT7 AC input receptacle
Input Frequency: 47-63Hz
Inrush Current: 22A @230Vac
Input Current: 0.18A@115Vac & 0.13A @230Vac
Dielectric Withstand: Meets IEC950
EMI: Meet EN55022 / FCC Class B
Hold-up Time: Typ. 15mS @115Vac
 Typ. 60mS @230Vac
Overload Protection (OLP): Fully protected against
 output overload and short circuit
 Consult the factory for OLP setting

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart
Output Current: See Ratings Chart
Output Wattage: Typ. 10-16Watts
Output Connector & Cord: Optional
Line Regulation: 0.1% typical
Load Regulation: Main O/P VO1 $\pm 1.5-3.0\%$
 Aux. O/P VO2 $\pm 1.5-3.0\%$
 Aux. O/P VO3,4 $\pm 1.5-5.0\%$
Noise & Ripple: Typ. 1.0% peak to peak
OVP: Built-in by Zener diode clamping
Adjustability: Factory set

GENERAL SPECIFICATION

Efficiency: Typ. 57-65%
Switching Frequency: Typ. 60KHz
Circuit Topology: Fixed Frequency flyback circuit
Transient Response: Output voltage returns in
 less than 3mS following a 25% load change
Safety Standard: UL1950/EN60950 Class I
Power Density: 0.66-1.06Watts. / Cubic Inch

Operating Temperature: 0 to +40°C
Storage Temperature: -20 to +85°C
Temperature Coefficient: 0.04% / °C
Cooling: Free air convection
Construction: Impact resistant thermo-plastic
 enclosure case
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 varied from half load to full load ($\pm\%$).

(3) The exact obtainable load regulation depends upon the output cord selected and load current. Upper data are for 6 ft. (2 m) cord AWG#18 wires.

OUTPUT VOLTAGE / CURRENT RATINGS CHART

QUAD OUTPUT

MODEL NO.	MAIN VO1 ●		AUX. VO2		AUX. VO3		AUX. VO4	
	Typ.	Volt.	Typ.	Volt.	Typ.	Volt.	Typ.	Volt.
APS24.5ES-490	1.5A	+3.3V	0.5A	+5V	0.2A	+10.5V	0.2A	-5.5V

Symbol: "●" OVP built-in.

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 373.0g (13.2Oz.)

