

AC TO DC EXTERNAL DESKTOP ADAPTOR SINGLE OUTPUT 15 TO 25 WATTS SWITCHING POWER SUPPLIES AD-725 SERIES



FEATURES:

- UNIVERSAL AC INPUT
- LOW COST AND LIGHT WEIGHT
- IEC320-3PIN DT7 or DT7L AC RECEPTACLE
- APPROVED TO WORLDWIDE STANDARDS
- EMI MEETS EN55022 / FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: 90-264Vac typical
Input Connector: IEC320-3P DT7 or IEC320-3 DT7L
AC inlet receptacle
Input Frequency: 47 to 63Hz, (consult factory for 440Hz)
Inrush Current: 35A max.
Input Current: 0.3A max.
Dielectric Withstand: Meets IEC950
EMI/RFI: Meets FCC Part 15, Class B
Hold-up Time: 16mS minimum @ 115 Vac
Line Surge: IEC801-5 Level 4

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart
Output Current: See Ratings Chart
Output Wattage: Typ. 25W
Line Regulation: $\pm 0.2\%$ max.. full range
Load Regulation: $\pm 3.0\%$ max.
Noise & Ripple: Typ. 1.0% peak to peak
OVP: Automatic recovery
Adjustability: Factory set
Overload Protection: Automatic recovery
Output Connector & Cord: Several options available

GENERAL SPECIFICATION

Efficiency: Typ. 75%
Switching Frequency: 100kHz nominal at full load
Circuit Topology: Self oscillating flyback circuit
Transient Response: Output voltage returns in
less than 3mS following a 50% load change
Safety Standard: UL1950/CSA60950 IEC950

Operating Temperature: 0 to +40°C
Storage Temperature: -20°C to +85°C
Temperature Coefficient: 0.04% per °C
Cooling: Free air convection
Construction: Splash proof, UL94 V-0 Impact resistant
thermo-plastic case

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

For the details of safety approval, please consult the factory.

OUTPUT VOLTAGE/CURRENT RATINGS CHART

Single Output:

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT MAX.	OUTPUT POWER MAX.
AD-725U-1033	3.3V	4.5A	15W
AD-725U-1050	5.0V	4.0A	20W
AD-725U-1060	6.0V	3.5A	21W
AD-725U-1075	7.5V	3.0A	22W
AD-725U-1090	9.0	2.6A	23W
AD-725U-1120A	12.0V	2.1A	25W
AD-725U-1150	15.0V	1.7A	25W
AD-725U-1160	16.0V	1.6A	25W
AD-725U-1180	18.0V	1.4A	25W
AD-725U-1200	20.0V	1.3A	25W
AD-725U-1225	22.5V	1.1A	25W
AD-725U-1240	24.0V	1.0A	25W

Dual Output:

MODEL	MAIN OUTPUT VOLT / AMP *	AUX. OUTPUT VOLT / AMP •	OUTPUT POWER MAX.
AD-725U-2205	5.0V / 1.5A	+12.0V / 0.75A	16.5W

Symbols: '**' OVP built in; '•' Stacked on main output

Remark: At least 20% of typical main output current is required to maintain stated regulation for the auxiliary output units.

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 185g (6.53 Oz)

