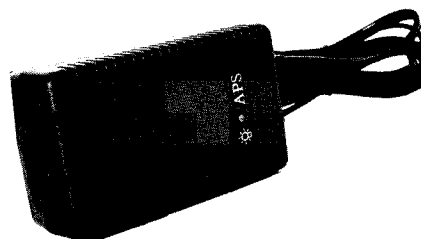


UNIVERSAL INPUT AC TO DC EXTERNAL REGULATED DESKTOP SWITCHING POWER SUPPLIES TO 45 WATTS AD-545 SERIES

FEATURES

ACCOMODATES UNIVERSAL AC SOURCES
DESKTOP SUPPLY WITH IEC320A RECEPTACLE
DESIGNED TO MEET INTERNATIONAL
SAFETY STANDARDS
EMI/RFI MEETS CISPR PUB.22 CLASS B.
CE MARKING COMPLIANCE



SPECIFICATIONS

INPUT SPECIFICATIONS

Input Voltage: Typ. 90-264 VAC
Input Connector: IEC320 AC Receptacle-built in case
Input Frequency: 47-63Hz
Inrush Current: 25 Amps Max at 132 VAC / cold start
50 Amps Max at 264 VAC / cold start
Dielectric Withstand: Meets IEC950
EMI/RFI: Complies with FCC part 15 CLASS B,
EN55011, EN55022, CISPR22 CLASS B (CE marking compliance)
Efficiency: 75% - 85% typical, depending on output voltage

OUTPUT SPECIFICATIONS

Output Voltage: Single outputs – see chart
Green LED output on indicator
Output Currents: See RATINGS CHART
Output Power: 25-45 Watts
Output Connector & Cord: Optional
Line Regulation: 0.4% Max
Load Regulation: 5% from 20-100% load variation
Noise & Ripple: Typ. 1% peak to peak, Max 2%
Adjustability: Factory set.
Overload Protection: 115-130%, Auto Recovery

GENERAL SPECIFICATIONS

Topology: fixed frequency flyback converter operation at 50KHz
Transient Response: 1mS typical for return within 1%
For 50% load step change at 1A/uSec. 5% maximum deviation
Safety Agencies: UL/cUL FILE # E142017; TUV EN60950
Short Circuit Protection: Automatic recovery
Overvoltage Protection: 115 – 140%, Auto recovery
Transient Response: 1MS typical for return within 1% for 50% load step change at 1A/USEC. 5% maximum deviation
Operation Temperature: 0-40°C
Storage Temperature: -20 to +85°C
Cooling: Free air convection
Construction: Impact resistant thermoplastic
Minimum Load: 0% - None required
Overload Protection: Foldback current limit – automatic recovery
Overshoot: No overshoot at turn on or off
Leakage Current: Less than 0.75mA
Hold up time: 16 mS minimum
Switching Frequency: 100 KHz typical

Remark: Load regulation: The exact voltage regulation obtainable depends upon the output cord selected and load currents. Data listed above are for 6ft. (2 meter) card #18/20 AWG wires with PF or PD connectors.



VOLTAGE / CURRENT RATINGS CHART

SINGLE OUTPUT:

<u>*MODEL</u>	<u>MAIN</u>	<u>O/P</u>
<u>AD-545-1033 3.3V</u>		<u>7.5A</u>
<u>AD-545-1050 5V</u>		<u>5A</u>
<u>AD-545-1075 7.5V</u>		<u>4.6A</u>
<u>AD-545-1090 9V</u>		<u>4.1A</u>
<u>AD-545-1120 12V</u>		<u>3.5A</u>
<u>AD-545-1138 13.8V</u>		<u>3.2A</u>
<u>AD-545-1150 15V</u>		<u>3A</u>
<u>AD-545-1160 16V</u>		<u>2.8A</u>
<u>AD-545-1180 18V</u>		<u>2.5A</u>
<u>AD-545-1200 20V</u>		<u>2.25A</u>
<u>AD-545-1225 22.5V</u>		<u>2A</u>
<u>AD-545-1224 24V</u>		<u>1.8A</u>

