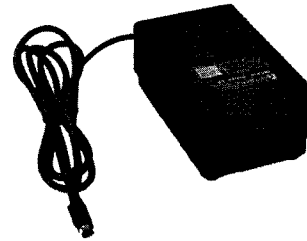


UNIVERSAL INPUT AC TO DC EXTERNAL REGULATED DESKTOP SWITCHING POWER SUPPLIES TO 100 WATTS APS99ES SERIES**FEATURES**

**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 COMPLAINE**

**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 IEC801-5 Level 4
EMI/RFI: Complies with FCC part 15 CLASS B,
EN55011, EN55022, CISPR22 CLASS B (CE marking
compliance)
Efficiency: 75% 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: 100 Watts (75 Watts for 5 volt)
Output Connector & Cord: Optional
Line Regulation: 0.1% Max
Load Regulation: 2.5% from 0-100% 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: 125 – 150%, Auto recovery
Transient Response: 3MS typical for return within 1% for
50% load step change at 1A/USEC. 5%
maximum deviation
Operation Temperature: 0-50°C
Storage Temperature: -20 to +85°C
Cooling: Internal Fan
Construction: Impact resistant thermoplastic
Minimum Load: 0% - None required
Overload Protection: Foldback current limit –
automatic recovery
Overshoot: 5% Maximum on turn on or off
Leakage Current: Less than 0.75mA
Hold-Up Time: 10mS Minimum @ Nominal Line

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 O/P★</u> | |
|--------------------|------------------|-------------|
| <u>APS99ES-10</u> | <u>5V</u> | <u>15A</u> |
| <u>APS99ES-12</u> | <u>15V</u> | <u>6.6A</u> |
| <u>APS99ES-13</u> | <u>24V</u> | <u>4.2A</u> |
| <u>APS99ES-13A</u> | <u>30V</u> | <u>3.3A</u> |
| <u>APS99ES-14</u> | <u>48V</u> | <u>2.1A</u> |

