

APS

Advanced Power Solutions

4/6/01

UNIVERSAL INPUT AC TO DC EXTERNAL DESKTOP ADAPTOR SINGLE OUTPUT 35-40 WATTS SWITCHING POWER SUPPLIES APS39ES SERIES



FEATURES:

- UNIVERSAL AC INPUT
- DESKTOP 24 mm LOW PROFILE
- MEET UNIVERSAL SAFETY STANDARDS
- EMI MEET EN55022 / FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: 90-264Vac typical
Input Connector: IEC320-2P DT8 type AC inlet receptacle
Input Frequency: 47-63Hz
Inrush Current: 35.0A @230Vac or less than 30A @230Vac by adding thermister
Input Current: 0.55A @ 115 VAC typical & 0.33A @ 230Vac typical
Dielectric Withstand: Meet IEC950
EMI: Meet EN55022 / FCC Class B
Hold-up Time: 8mS typ. @ 115Vac
32mS typ. @ 230Vac
Over Temperature Protection: By NTC

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart
Output Current: See Ratings Chart
Output Wattage: 35 to 40W typical
Output Connector & Cord: Optional
Output LED Indicator: Installed
Line Regulation: 0.1% typical
Load Regulation: ± 3.0 to 5.0% typical
Noise & Ripple: Typ. 1.0% peak to peak
OVP: Built-in Zener diode clamping
Adjustability: Factory set
Over Current Protection (OCP): Installed
Current limiting can be set precisely as per request

GENERAL SPECIFICATION

Efficiency: 80 to 85% typical
Switching Frequency: Approximately 100KHz
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 II
Power Density: 4.50 Watts / Inch³
Operating Temperature: 0 to +40°C
Storage Temperature: -20°C to +85°C
Temperature Coefficient: 0.04% per °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.

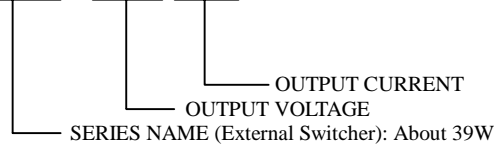
(2) Load regulation is measured at 115Vac or 230Vac in percentage to indicate the change in output voltage as the load varied from half load to full load(\pm %)

(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.



In application

MODEL NO. DESCRIPTION: APS39ES – XXX YYY



OUTPUT VOLTAGE / CURRENT RATINGS CHART

DEFINED OUTPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc) / CURRENT (A)
12.0Vdc < Any Voltage > 24.0 Vdc	12.0-24.0V/2.8-2.57A, 14.1-19V/2.56-2.1A, 19.1-24V/2-1.67A

Note: Refer to the upper Chart or specify the V/A ratings and consult factory for the exact Model No.

SINGLE OUTPUT (Model No. for example)

MODEL NO.	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (A)
APS39ES-120280	12.0V	2.80A
APS39ES-140257	14.0V	2.57A
APS39ES-190210	19.0V	2.10A
APS39ES-240167	24.0V	1.67A

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 330g (11.6Oz)

