

**UNIVERSAL INPUT AC TO DC EXTERNAL DESKTOP ADAPTER
60-65 WATTS SINGLE OUTPUT SWITCHING POWER SUPPLIES
APS65ES SERIES**



- **ACCOMMODATES UNIVERSAL AC INPUT**
- **DESKTOP IEC320-3P AC RECEPTACLE**
- **MEETS UNIVERSAL SAFETY STANDARDS**
- **EMI MEETS EN55022 / FCC CLASS B**
- **CE MARKING COMPLIANCE**

INPUT SPECIFICATION

Input Voltage: 90-264Vac typical

Input Connector: IEC320 3P-AC inlet receptacle

Input Frequency: 47 ~ 63Hz

Inrush Current: Less than 30A by adding thermister

Input Current: 1.3A @115Vac/.055A @230Vac typical

Dielectric Withstand: Meet IEC950

EMI: Meet EN55022 / FCC Class B

Hold-up Time: 12mS @115Vac or
75mS @230Vac typical

Over Temp. Protection (OTP): Optional

Over Current Protection (OCP): Optional

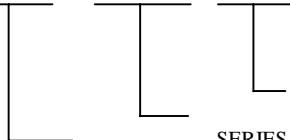
Output Voltage: See Ratings Chart
Output Current: See Ratings Chart
Output Wattage: Typical 60 ~ 65W
Output Connector & Cord: Optional
Output LED Indicator: Installed
Line Regulation: 0.1% typical
Load Regulation: $\pm 3.0 \sim 5.0\%$ typical
Noise & Ripple: Typ. 1.0% peak to peak
OVP: Built-in, Zener Diode clamping
Adjustability: Factory set, not available
Overload Protection: Typ. 125-150% of max power
 overrange or short circuit, power foldback
 & self-recovering

Efficiency: 80% ~ 86% typical
Switching Frequency: Approximate 85KHz
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: 4.2 Watts. / 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

(3) The typical cord length is about 1 meter (3.3 ft.), AWG#18 cord for various load conditions.



MODEL NO. DESCRIPTION: APS65ES - X X X Y Y Y**OUTPUT VOLTAGE / CURRENT RATINGS CHART**

DEFINED OUTPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc) / CURRENT (A)
3.3 Vdc ≤ Any Voltage ≤ 18.0 Vdc	3.3-5.0V/8.0-7.5A, 5.1-6.0V/7.45-7.0A, 6.1-7.0V/6.99-6.9A, 7.1-8.0V/6.89-6.8A, 8.1-9.0V/6.79-6.7A, 9.1-10.0V/6.65-6.2A, 10.1-12.0V/6.15-5.2A, 12.1-15.0V/5.17-4.3A, 15.1-16.5V/4.27-3.9A, 16.6-18.0V/3.88-3.6A
18.0 Vdc < Any Voltage ≤ 48.0 Vdc	18.1-19.6 V/3.59-3.4A, 19.7-20.8V/3.37-3.2A, 20.9-22.2V/3.19-3.0A, 22.3-24.7V/2.99-2.7A, 24.8-26.6V/2.68-2.5A, 26.7-29.0V/2.49-2.3A, 29.1-33.3V/2.29-2.0A, 33.4-36.0V/1.99-1.85A. 36.0-38.0V/1.85-1.7A, 38.0-40.0V/1.75-1.66A, 40.0-42.0V/1.66-1.58A, 42.0-44.0V/1.58-1.51A, 44.0-46.0V/1.51-1.44A, 46.0-48.0V/1.44-1.40A

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)
APS65ES-330800	3.3V	8.00A
APS65ES-500750	5.0V	7.50A
APS65ES-090670	9.0V	6.70A
APS65ES-120520	12.0V	5.20A
APS65ES-150430	15.0V	4.30A
APS65ES-180360	18.0V	3.60A
APS65ES-196340	19.6V	3.40A
APS65ES-240277	24.0V	2.77A
APS65ES-360185	36.0V	1.85A
APS65ES-480140	48.0V	1.40A

MECHANICAL DIMENSIONS: MM [INCHES]**WEIGHT: 320.0g (11.30 Oz.)**