

### **UNIVERSAL INPUT AC TO DC EXTERNAL DESKTOP ADAPTOR SINGLE OUTPUT SWITCHING POWER SUPPLIES 40-45 WATTS APS45ES SERIES**



#### **FEATURES:**

- ACCOMMODATES UNIVERSAL AC SOURCES IN THE WORLD
- VERY LOW PROFILE & VERY HIGH POWER DENSITY
- DESKTOP ADAPTOR WITH IEC320 2P-AC RECEPTACLE
- DESIGNED TO MEET UNIVERSAL SAFETY STANDARDS
- EMI/RFI MEET CISPR PUB. 22 CLASS B
- CE MARKING COMPLIANCE

#### **SPECIFICATIONS**

##### **INPUT SPECIFICATIONS:**

**Input Voltage:** Typ. 90-265VAC  
**Input Connector:** IEC320 2P-AC receptacle  
**Input Frequency:** 47-63Hz  
(Consult factory for 440Hz operation)  
**Inrush Current:** 30A @ 240VAC  
**Input Current:** 1.0A @ 115VAC & 0.33A @ 230VAC  
**Dielectric Withstand:** Meets IEC950  
**EMI/RFI:** Meets CISPR PUB. 22 Class B  
**Hold-up Time:** 8mS typ. @ 115VAC  
50mS typ. @ 230VAC  
**Overload Protection:** Typ. 105% max. power

##### **OUTPUTS SPECIFICATIONS:**

**Output Voltage:** See RATINGS CHARTS  
**Output Currents:** See RATINGS CHARTS  
**Output Wattage:** Typ. 40W, Peak 50 Watts  
**Output Connector & Cord:** Optional  
**Line Regulation:**  $\pm 0.1\%$  typ.  
**Load Regulation:**  $\pm 3-5\%$  depending on O/P cord  
**Noise & Ripple:** Typ. 1% peak to peak  
**OVP:** Zener Diode OVP Built-in  
**Adjustability:** Factory set  
**Over Temperature Protection:** By NTC

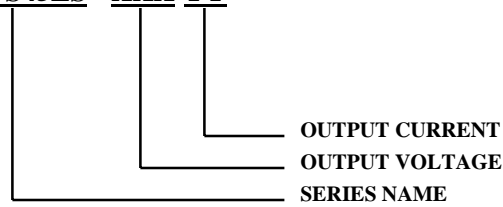
##### **GENERAL SPECIFICATIONS:**

**Efficiency:** Typ. 85%  
**Switching Frequency:** Approximate 90KHz  
**Circuit Topology:** Fixed-frequency flyback circuit  
**Transient Response:** Output voltage returns in less than 3ms following a 50% load change  
**Safety Standard:** UL1950/EN60950  
**Operating Temperature:** 0 to 40°C  
**Storage Temperature:** -20 to +85°C  
**Temperature Coefficient:** 0.04% per °C  
**Cooling:** Free air convection  
**Construction:** Impact resistant thermo-plastic enclosure Desktop format



**MODEL NO. DESCRIPTION: APS45ES - XXX YY**

**Remark:** Please specify the V/A ratings and consult factory for model



**VOLTAGE/CURRENT RATINGS CHART.**

**SINGLE OUTPUT:**

MODEL NO.	OUTPUT VOLTAGE	OUTPUT AMP.
APS45ES-12034	12.0 Vdc	0.1A - 3.4A
APS45ES-15028	15.0 Vdc	0.1A - 2.8A
APS45ES-18024	18.0 Vdc	0.1A - 2.4A
APS45ES-24018	24.0 Vdc	0.1A - 1.8A
APS45ES-30015	30.0 Vdc	0.1A - 1.5A

**MECHANICAL DIMENSIONS:** MM (INCHES)

**WEIGHT:** 178 g (6.28 Oz).

**POWER DENSITY:** 5.22 W/Cubic Inch

