

UNIVERSAL INPUT AC TO DC EXTERNAL REGULATED DESKTOP ADAPTORS SWITCHING POWER SUPPLIES 30-48 WATTS APS30ES SERIES



FEATURES:

- AUTOMATICALLY ACCOMMODATES UNIVERSAL AC SOURCES
- DESKTOP ADAPTOR WITH IEC 320 INPUT RECEPTACLE
- DESIGNED TO MEET UNIVERSAL SAFETY STANDARDS
- EMI/RFI MEET CISPR PUB. 22 CLASS B
- CE MARKING COMPLIANCE

SPECIFICATIONS

INPUT SPECIFICATION:

Input Voltage: Typical 90-265VAC
Input Connector: IEC 320 AC receptacle
Input Frequency: 47-63Hz
 (Consult factory for 440Hz operation)
Inrush Current: 15A Max.
Input Current: 0.7A@115VAC, 0.35A@230VAC
Dielectric Withstand: Meets IEC950
EMI/RFI: Meets CISPR PUB. 22 Class B
Hold-up Time: 24mS typ. @ 115VAC

OUTPUTS SPECIFICATIONS:

Output Voltage: See RATINGS CHARTS
Output Currents: See RATINGS CHARTS
Output Connector: Optional
Line Regulation: $\pm 0.1\%$ typical
Load Regulation: Main O/P VO1 $\pm 3\%$
 Aux. O/P: VO2 $\pm 3\%$, VO3 $\pm 1.5\%$ typical
Noise & Ripple: Typ. 1% peak to peak
OVP: Built-in in main +5V O/P @ +6.4V $\pm 0.4V$
 Option for other VO1 @ 124% typical
Adjustability: Factory set
Overload Protection: 120-150% max. power

GENERAL SPECIFICATIONS:

Efficiency: Typ. 70%
Switching Frequency: Approximate 35KHz
Circuit Topology:
 Fix-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 with venting slot desktop format



VOLTAGE/CURRENT RATINGS CHART

SINGLE OUTPUT

MODEL NO.	MAIN O/P VO1 * TYP. VOLT. PEAK		
APS30ES-19	5.5A	3.3V	8.0A
APS30ES-10	5.6A	5V	6.0A
APS30ES-11	2.5A	12V	3.4A
APS30ES-12	2.2A	15V	3.0A
APS30ES-13	1.5A	24V	2.0A
APS30ES-14	3.0A	9V	4.0A

DUAL OUTPUT:

MODEL NO.	MAIN O/P VO1* TYP. VOLT. PEAK		AUX.O/P +VO2+or-VO3 TYP. VOLT. PEAK		
APS30ES-20	4.0A	+5V 6.0A	1.0A	-5V	1.0A
APS30ES-21	4.0A	+5V 6.0A	1.0A	+12V	1.5A
APS30ES-22	4.0A	+5V 6.0A	0.8A	+15V	1.2A
APS30ES-23	4.0A	+5V 6.0A	0.5A	+24V	0.8A
APS30ES-24	1.8A	+12V 3.0A	0.8A	-12V	1.0A
APS30ES-25	1.6A	+15V 2.6A	0.8A	-15V	1.0A

TRIPLE OUTPUT:

MODEL NO.	MAIN O/P VO1 ★ TYP. VOLT. PEAK			AUX. O/P VO2 † TYP. VOLT. PEAK			AUX. O/P VO3• TYP. VOLT. PEAK		
APS30ES-30	3.0A	+5V	5.0A	1.0A	+12V	2.0A	0.5A	-12V	1.0A
APS30ES-31	3.0A	+5V	5.0A	1.0A	+12V	2.0A	0.8A	-5V	1.0A
APS30ES-32	3.0A	+5V	5.0A	0.5A	+24V	1.0A	0.5A	-12V	1.0A
APS30ES-33	3.0A	+5V	5.0A	1.0A	+15V	2.0A	0.6A	-5V	0.8A
APS30ES-34	1.5A	+5V	2.0A	1.0A	+15V	2.0A	0.5A	-15V	1.0A

Symbols: "★" OVP built-in. "†" Stacked on main output. "•" Installed with Post Regulator (PR).

Remark: Peak output, less than 60 Sec., Peak current can't be drawn from all output at the same time.

MECHANICAL DIMENSIONS: MM (INCHES)

WEIGHT: 480g (16.93 Oz.)

