

AC TO DC EXTERNAL WALLMOUNT ADAPTOR 2-BLADE USA OR EURO-STECKER AC PLUG SINGLE OUTPUT 9-10 WATTS SWITCHING POWER SUPPLIES APS09ES SERIES



FEATURES:

- VERY SMALL & COMPACT IN SIZE
- 2-BLADE USA OR EURO-STECKER AC PLUG
- EMI MEET EN55022 / FCC CLASS B
- MEETS UNIVERSAL SAFETY STANDARDS
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: 90-132Vac or 90-264Vac
Input Connector: 2-blade USA WM1 or Euro-Stecker WM3 AC plug
Input Frequency: 47-63Hz
Inrush Current: Typical 34A @230Vac
21A @ 230 Vac by adding the thermister
Input Current: 0.22A @115Vac. / 0.1A @ 230Vac
Dielectric Withstand: Meets IEC950
EMI: Meet EN55022 / FCC Class B
Hold-up Time: 10mS @115Vac or 40mS @ 230Vac typical

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart
Output Current: See Ratings Chart
Output Wattage: 9 ~ 10 Watts typical
Output Connector: Optional
Line Regulation: 0.1% typical
Load Regulation: $\pm 1.5 \sim 3.0\%$ typical
Noise & Ripple: Typ.1.0% peak to peak
OVP: Built-in, Zener Diode clamping
Overload Protection: Typ. 125 ~ 150% of max. power
Over-range or short circuit, power foldback & self-recovering

GENERAL SPECIFICATION

Efficiency: 75% typical
Switching Frequency: Fixed 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: 1.73 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
Wallmount Format

Notes: (1) All measurements are at nominal input, full load, and +25°C unless otherwise specified.

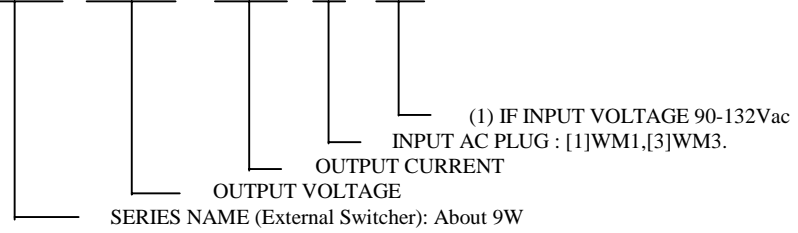
(2) Load regulation is measured at 115Vac or 230Vac in percentage to indicate the change in output voltage as the load is varied from half load to full load ($\pm\%$).

(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.



For the details of safety approval, please consult the factory.

MODEL NO. DESCRIPTION: APS09ES - X X X Y Y Y - S (1)



OUTPUT VOLTAGE / CURRENT RATINGS CHART

DEFINED OUTPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)/CURRENT (A)
5.0Vdc < Any Voltage > 15.0Vdc	5.0-5.6V/1.8-1.6A, 5.7-6.0V/1.58-1.5A, 6.1-6.4V/1.47-1.4A, 6.5-6.9V/1.38-1.3A, 7.0-7.5V/1.28-1.2A, 7.6-8.2V/1.18-1.1A, 8.3-9.0V/1.08-1.0A, 9.1-10.0V/0.99-0.9A, 10.1-11.2V/0.89-0.8A, 11.3-12.8V/0.79-0.7A, 12.9-13.8V/0.69-0.65A, 13.9-15.0V/0.64-0.6A.

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

SINGLE OUTPUT (Model No. for example.)

MODEL NO.	AC INPUT	AC PLUG	O/P VOLTAGE	O/P CURRENT
APS09ES-050160-1(1)	90-132Vac	WM1	5.0V	1.60A
APS09ES-050180-1	90-264Vac	WM1	5.0V	1.80A
APS09ES-050180-1(1)	90-132Vac	WM1	5.0V	1.80A
APS09ES-050180-3	90-264Vac	WM3	5.0V	1.80A
APS09ES-050200-1	90-264Vac	WM1	5.0V	2.00A
APS09ES-050200-3	90-264Vac	WM3	5.0V	2.00A
APS09ES-120075-1	90-264Vac	WM1	12.0V	0.75A
APS09ES-120075-1(1)	90-132Vac	WM1	12.0V	0.75A
APS09ES-120075-3	90-264Vac	WM3	12.0V	0.75A
APS09ES-150060-1	90-264Vac	WM1	15.0V	0.60A
APS09ES-150060-1(1)	90-132Vac	WM1	15.0V	0.60A
APS09ES-150060-3	90-264Vac	WM3	15.0V	0.60A

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 113g (4.0 Oz)

