

AC TO DC EXTERNAL WALLMOUNT ADAPTOR 2-BLADE USA OR EURO-STECKER AC PLUG SINGLE OUTPUT 5 WATTS SWITCHING POWER SUPPLIES APS05ES SERIES



FEATURES:

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

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: 90-132 or 90-264Vac typical
Input Connector: 2-blade USA WM1 or
 Euro-Stecker WM3 AC plug
Input Frequency: 47-63Hz
Inrush Current: Typical 27A @ 230Vac
Input Current: 0.16-0.12A within 90-132Vac or
 0.16-0.07A within 90-264Vac
Dielectric Withstand: Meet IEC 950
EMI: Meets EN55022 / FCC Class B
Hold-up Time: 15mS @ 115Vac or
 32mS @ 230Vac typical

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart
Output Current: See Ratings Chart
Output Wattage: 5 Watts typical
Output Connector: Optional
Line Regulation: 0.1% typical
Load Regulation: ±1.5 to 3.0%
Noise & Ripple: 1% peak to peak typical
OVP: Built-in, Zener diode clamping
Adjustability: Factory set
Overload Protection: Typ. 125 to 150% of max. power
 Over-range or short circuit, power foldback
 & self-recovering

GENERAL SPECIFICATION

Efficiency: 70% typical
Switching Frequency: 50 to 200KHz
Circuit Topology: Free running flyback circuit
Transient Response: Output voltage returns in
 less than 3mS following a 25% load change
Safety Standard: UL1950 / EN60950 Class II
Power Density: 1.00 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 plastic enclosure case
Wallmount format

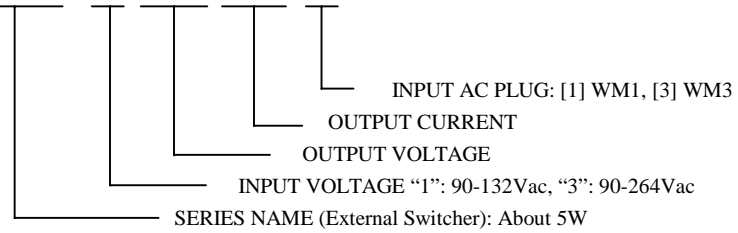
Notes: (1) All measurements are at nominal input, full load, and +25°C unless otherwise specified.

(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 (±%).

(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.



MODEL NO. DESCRIPTION: APS05ES/N XXX YYY - S



OUTPUT VOLTAGE/CURRENT RATINGS CHART

DEFINED OUTPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc) / CURRENT (A)
3.3 Vdc < Any Voltage > 12.0Vdc	3.3-4.0V/1.25-1.2A, 4.1-4.9V/1.18-1.02A, 5.0-6.4V/1.0-0.8A, 6.5-7.5V/0.79-0.7A, 7.6-8.7V/0.69-0.6A, 8.8-10.5V/0.59-0.5A, 10.6-11.9V/0.49-0.44A.
12.0Vdc < Any Voltage > 24.0Vdc	12.0-13.0V/0.43-0.4A, 13.1-15.0V/0.4-0.35A, 15.1-17.4V/0.34-0.3A, 17.5-18.7V/0.29-0.28A, 18.8-20.9V/0.27-0.25A, 21.0-24.0V/0.24-0.2A.

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
APS05ES/1-033125-1	90-132Vac	WM1	3.3V	1.25A
APS05ES/3-035123-3	90-264Vac	WM3	3.5V	1.23A
APS05ES/3-036122-1	90-264Vac	WM1	3.6V	1.22A
APS05ES/1-050100-1	90-132Vac	WM1	5.0V	1.00A
APS05ES/3-052096-1	90-264Vac	WM1	5.2V	0.96A
APS05ES/3-053094-3	90-264Vac	WM3	5.3V	0.94A
APS05ES/1-090057-1	90-132Vac	WM1	9.0V	0.57A
APS05ES/3-120043-1	90-264Vac	WM1	12.0V	0.43A
APS05ES/3-150035-3	90-264Vac	WM3	15.0V	0.35A
APS05ES/1-180028-1	90-132Vac	WM1	18.0V	0.28A
APS05ES/3-240020-3	90-264Vac	WM3	24.0V	0.20A

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 113g (4.0 Oz.)

