

AC TO DC EXTERNAL REGULATED WALLMOUNT & DESKTOP ADAPTORS DIVERSE AC PLUGS SINGLE OUTPUT 6.0-13.0 WATTS LINEAR POWER SUPPLIES APS48ER SERIES



FEATURES:

- COST EFFECTIVE ADAPTORS
- WORLDWIDE DIVERSE AC PLUGS
- MEET USA OR EUROPEAN STANDARD
- LOW NOISE MEETS EMI REQUIREMENTS
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Custom Vac available
Nominal 100/110/120Vac, range -10% to +6% or
Nominal 220/230/240Vac, range -10% to +10%

Input Connector:
Wallmount Format: WM1,2(USA/Japan)/ WM3
(Euro-stecker) / WM4 (Schuko-stecker)/
WM5 (UK)/ WM6, 6G(Australia)
Desktop Format: PT1,2,3,4,5,6,

Input Frequency: 60Hz, for nominal 100/110/120Vac
50Hz for nominal 220/230/240Vac

Input Current: 0.25A max. @100 to 120Vac/60Hz
0.15A max. @220 to 240Vac/50Hz

Dielectric Withstand: Meets IEC 950

EMI: Meets EN 55022 / FCC Class B

Thermal Protection: Thermal fuse installed in the
input transformer

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart

Output Current: See Ratings Chart

Output Wattage: Typ. 8.5-13.0Watts @120Vac/60Hz input
Typ. 6.0-9.6 Watts @220-240Vac/50Hz input

Output Connector: Optional

Load Regulation: Typ. ±5.0% at end of 6ft. cord AWG#20
wires. (The exactly voltage regulation obtainable
depends upon the output cord & connector selected
and load current.)

Noise & Ripple: Less than 20mV

Overload Protection: Protected by thermal fuse
buried inside the transformer

Hold-up Time: Less than 1 mS at nominal input and
typical load

GENERAL SPECIFICATION

Efficiency: Various with output voltage
Typ. 28.0-40.0% @ 100 to 120Vac/60Hz input
20.0-30.0% @ 220 to 240Vac/50Hz input

Circuit Topology: Line frequency lamination
steel transformer circuit

Transient Response: Less than 50µS following
a 25% load change

Operating Temperature: 0 to +40°C

Storage Temperature: -20°C to +85°C

Cooling: Free air convection

Construction: Impact resistant plastic enclosure case

Safety Standard: UL1950 & CSA C22.2 NO.950
or EN60950 Class I & II

Wallmount & Desktop Format in EI-48 case



MODEL NO. DESCRIPTION: APS48ER — X X X Y Y (Y)-N

AC PLUG TYPE:
[1]WM1, [2]WM2, [3]WM3, [4]WM4, [5]WM5,
[6]WM6, [6G] WM6G
[A] PT1, [B] PT2, [C] PT3, [D] PT4, [E] PT5, [F] PT6

O/P CURRENT: 2 digit for U.S version.
3 digit for European version.

OUTPUT VOLTAGE
SERIES NAME IN EI-48 TRANSFORMER SIZE

OUTPUT VOLTAGE / CURRENT RATINGS CHART

U.S.A. VERSION Input Voltage: 120Vac/ 0.25A @60Hz.

DEFINED OUTPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc) / CURRENT (A)
5.0 Vdc < Any Voltage > 15.0 Vdc	5.0-7.0V/1.7-1.4A, 7.5-9.0V/1.3-1.2A, 9.5-11.0V/1.1A, 11.5-12.0V/1.0A, 12V/1.2A, 12.5-13.0V/0.9A, 13.5-15.0V/0.8A.
15.0Vdc < Any Voltage > 24.0 Vdc	15.5-17.0V/ 0.7A, 17.5-20.0V/0.6A, 20.5-24.0V/ 0.5A

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

SINGLE OUPUT (Model No. for examples)

MODEL NO.	AC PLUG	I/P VOLTAGE (Vac)	O/P VOLTAGE (Vdc)	O/P CURRENT (A)
APS48ER-05017-1	WM1	120Vac	5.0V	1.70A
APS48ER-06015-2	WM2	120Vac	6.0V	1.50A
APS48ER-09012-1	WM1	120Vac	9.0V	1.20A
APS48ER-12010-2	WM2	120Vac	12.0V	1.00A
APS48ER-15008-1	WM1	120Vac	15.0V	0.80A
APS48ER-24005-2	WM2	120Vac	24.0V	0.50A

EUROPEAN VERSION Input Voltage: 220-240Vac/0.15A @50Hz.

DEFINED OUTPUT VOLTAGE(Vdc)	OUTPUT VOLTAGE (Vdc) / CURRENT (A)
5.0 Vdc < Any Voltage > 12.0 Vdc	5.0-7.0V/1.2-1.0A, 7.5-9.5V/0.98-0.90A, 10.0-11.0V/0.88-0.84A, 11.5-12.0V/0.82-0.80A,
12.0Vdc <Any Voltage > 24.0 Vdc	12.5-14.0V/0.77-0.69A, 14.5-16.0V/0.66-0.60A 16.5-18.0V/0.58-0.53A, 18.5-20.0V/0.52-0.48A, 20.5-22.0V/0.47-0.44A, 22.5-24.0V/ 0.43-0.40A

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

SINGLE OUPUT (Model No. for examples)

MODEL NO.	AC PLUG	I/P VOLTAGE (Vac)	O/P VOLTAGE (Vdc)	O/P CURRENT (A)
APS48ER-050120-3	WM3	220Vac	5.0V	1.20A
APS48ER-060110-4	WM4	220Vac	6.0V	1.10A
APS48ER-090092-5	WM5	240Vac	9.0V	0.92A
APS48ER-120080-6	WM6	240Vac	12.0V	0.80A
APS48ER-150064-3	WM3	220Vac	15.0V	0.64A
APS48ER-180053-4	WM4	220Vac	18.0V	0.53A
APS48ER-200048-5	WM5	240Vac	20.0V	0.48A
APS48ER-240040-6	WM6	240Vac	24.0V	0.40A

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: APS48ER 550g (19.4 Oz.)

