

AC AND DC OUTPUT UNREGULATED ADAPTERS

Standard Products, North American Applications, Input 120VAC, 60Hz

APX Manufactures a comprehensive family of standard adapters. A representative list is shown here...

Bold face listings are generally readily available from distribution. These are off-the-shelf standard, wall plug-ins with 2.5 x 5.5 x 11mm female connectors. Many in-between voltages and currents are also available, with safety agency approvals. Where indicated, desk top cases are available by adding "D" to the part model number. All are available with a variety of output connectors.

Consult your APX representative for international input voltage types and options.



17

POWER SUPPLIES & CONDITIONERS

AC to AC Adapters

OUTPUT VAC	CASE	SIZE	MODEL	UL	CSA/CUL
4.5 @ 300mA	WPI	35	APA0403	X	X
4.5 @ 500	WPI	35	APA0405	X	X
4.5 @ 1200	WPI,DT	41	APA0412	X	X
6 @ 200	WPI	35	APA0602	X	X
6 @ 400	WPI	35	APA0604	X	X
6 @ 800	WPI,DT	41	APA0608	X	X
6 @ 1200	WPI,DT	41	APA0612	X	X
6 @ 1500	WPI,DT	48	APA0615	X	X
7.5 @ 200	WPI	35	APA0702	X	X
7.5 @ 400	WPI	35	APA0704	X	X
7.5 @ 600	WPI,DT	41	APA0706	X	X
7.5 @ 1000	WPI, DT	41	AP3379W	X	X
7.5 @ 1200	WPI,DT	41	APA0712	X	X
9 @ 200	WPI	35	APA0902	X	X
9 @ 300	WPI	35	APA0903	X	X
9 @ 400	WPI	35	AP2855	X	X
9 @ 600	WPI,DT	41	APA0906	X	X
9 @ 700	WPI,DT	41	APA0907	X	X
9 @ 1000	WPI, DT	41	AP3141W	X	X
9 @ 1200	WPI,DT	48	APA0912	X	X
9 @ 1500	WPI	57	AP3305W	X	X
12 @ 150	WPI	35	APA1201	X	X
12 @ 200	WPI	35	APA1202	X	X
12 @ 300	WPI	35	AP3070W	X	X
12 @ 500	WPI,DT	41	AP3405	X	X
12 @ 800	WPI, DT	41	AP3378W	X	X
12 @ 1000	WPI, DT	48	AP1795W	X	X
12 @ 1670	WPI	57	AP2013W	X	X
12 @ 4500	DT	66	AP1985	X	X
13.5 @ 1000	WPI,DT	48	APA1310	X	X
14 @ 2800	WPI	57	AP3125	X	X
15 @ 200	WPI	35	APA1502	X	X
15 @ 500	WPI, DT	41	AP3377W	X	X
15 @ 600	WPI,DT	41	AP2540	X	X
15 @ 700	WPI,DT	48	APA1507	X	X
15 @ 1000	WPI	57	APA1510	X	X
18 @ 200	WPI	35	APA1802	X	X
18 @ 500	WPI,DT	41	APA1805	X	X
18 @ 600	WPI,DT	48	APA1806	X	X
18 @ 1000	WPI	57	APA1810	X	X
19.5 @ 800	WPI	57	AP2513W	X	X
22 @ 1500	DT	57	AP2217	X	X
24 @ 150	WPI	35	APA2401	X	X
24 @ 400	WPI,DT	41	APA2404	X	X
24 @ 570	WPI, DT	48	AP3376W	X	X
26 @ 2250	DT	66	AP3569W	X	X

Case designations: WPI = Wall Plug-In
DT = Desk Top (cable to cable)

AC to DC Adapters

OUTPUT VDC	CASE	SIZE	MODEL	UL	CSA/cUL
3 @ 500mA	WPI	35	APD0305	X	X
3 @ 1500	WPI,DT	41	APD0315	X	X
4.2 @ 100	WPI	35	APD0401	X	X
4.5 @ 500	WPI	35	APD0405	X	X
4.5 @ 1200	WPI,DT	41	APD0412	X	X
6 @ 200	WPI	35	APD0602	X	X
6 @ 400	WPI	35	AP3155W	X	X
6 @ 800	WPI,DT	41	APD0608	X	X
6 @ 1000	WPI, DT	41	AP3374W	X	X
6 @ 1200	WPI,DT	48	APD0612	X	X
6 @ 1500	WPI,DT	48	APD0615	X	X
7.5 @ 200	WPI	35	APD0702	X	X
7.5 @ 400	WPI	35	APD0704	X	X
7.5 @ 600	WPI,DT	41	APD0706	X	X
7.5 @ 900	WPI,DT	41	APD0709	X	X
7.5 @ 1200	WPI,DT	48	APD0712	X	X
8 @ 1200	WPI,DT	48	APD0812	X	X
9 @ 200	WPI	35	AP2911	X	X
9 @ 300	WPI	35	APD0903	X	X
9 @ 400	WPI	35	APD0904	X	X
9 @ 500	WPI, DT	41	AP1325W	X	X
9 @ 700	WPI,DT	41	APD0907	X	X
9 @ 800	WPI,DT	41	APD0908	X	X
9 @ 1000	WPI, DT	48	AP2072W	X	X
9 @ 1200	WPI,DT	48	APD0912	X	X
9 @ 1500	WPI	57	APD0915	X	X
10 @ 1000	WPI,DT	48	APD1010	X	X
12 @ 100	WPI	35	APD1201	X	X
12 @ 300	WPI	35	AP2974W	X	X
12 @ 500	WPI, DT	41	AP3745W	X	X
12 @ 600	WPI, DT	41	AP3375W	X	X
12 @ 800	WPI,DT	48	APD1208	X	X
12 @ 1000	WPI, DT	48	AP3745W	X	X
12 @ 1500	WPI	57	AP1828W	X	X
12 @ 2500	DT	66	AP2410	X	X
13 @ 700	WPI,DT	48	APD1307	X	X
13.5 @ 1300	WPI	57	APD1313	X	X
15 @ 200	WPI	35	APD1502	X	X
15 @ 400	WPI, DT	41	AP2848W	X	X
15 @ 700	WPI,DT	48	APD1507	X	X
15 @ 900	WPI	57	AP2637W	X	X
15 @ 1000	WPI	57	APD1510	X	X
15 @ 2000	DT	66	AP2783	X	X
18 @ 200	WPI	35	APD1802	X	X
18 @ 400	WPI,DT	41	AP2925	X	X
18 @ 600	WPI,DT	48	APD1806	X	X
18 @ 800	WPI	57	AP2990W	X	X
18 @ 1000	WPI	57	APD1810	X	X
24 @ 100	WPI	35	APD2401	X	X
24 @ 300	WPI,DT	41	APD2403	X	X
24 @ 570	WPI, DT	48	AP2654W	X	X
26 @ 750	WPI	57	AP3029W	X	X



Introduction

APX has been a leading innovator and supplier of transformers and external power supplies for over twenty years, a global manufacturer with local engineering support. APX is headquartered in New York with national representation and distribution.

Contact us today for your representative or local distributor to discuss your needs.

Products

Audio Transformers
Telecom Coupling Transformers
Modem Transformers
Power Transformers

Pulse Transformers
HF Transformers and Toroids
AC Output Adapters
DC Output Adapters

Regulated Linear Power Supplies
Battery Chargers
International Power Supplies
External Switchmode Power

Capabilities

We have successfully supported our client base for 20 years with:

- Design and Engineering
- Product and Application Analysis
- Custom Tooling and Package Molding
- Safety Agency Certification

SWITCHING POWER

Wall Plug-in



0-10 Watts Output

Power Strip Plug-in

North American 2 blade input, 90-132 VAC
Available with Euro-plug, 90-264 VAC input:
Add suffix E to part number

Output Volts DC	Current	Part Number
5V	0-1.60A	SP1005
6V	0-1.33A	SP1006
7.5V	0-1.06A	SP1007
9V	0-1.33A	SP1006
12V	0-0.83A	SP1012
15V	0-0.66A	SP1015
18V	0-0.56A	SP1018
24V	0-0.42A	SP1024

Size: 56L x 44W x 27.5H

Specifications:

Input

Input Voltage: 90 To 264VAC for all desk-top supplies, and Wall plug-in with Euro connector input
US Blade wall plug-ins - 90-132VAC

Input Frequency: 47 To 63Hz

Will operate to 440Hz: all desk-top supplies from 15 Watts through 60 Watts
All others - 47 To 63Hz

Input Currents:

10 Watts .3A Max (RMS) At 115VAC
15 Watts .4A Max (RMS) At 115VAC
24 Watts .7A Max (RMS) At 115VAC
40 Watts 1.0A Max (RMS) At 115VAC
50 Watts 1.6A Max (RMS) At 115VAC
60 Watts 1.6A Max (RMS) At 115VAC

Safety ground leakage current:

0.75mA @ 240 VAC 50Hz

Output

Regulation:

Line +/-0.5% maximum at full load
Load +/-5% maximum on all outputs

Ripple:

1% Peak to Peak maximum

0-10 Watts Output

Wall Plug-in

North American 2 blade input, 90-132 VAC
Available with Euro-plug, 90-264 VAC input:
Add suffix E to part number

Output Volts DC	Current	Part Number
5V	0-2.00A	SP1105
6V	0-1.50A	SP1106
7.5V	0-1.30A	SP1107
9V	0-1.20A	SP1109
12V	0-1.00A	SP1112
15V	0-0.80A	SP1115
18V	0-0.60A	SP1118
24V	0-0.40A	SP1124

Size: 74L x 50W x 41H

Overvoltage Protection:

112 - 132% of nominal output voltage

Overcurrent Protection:

Protected to short circuit conditions

Temperature Coefficient:

+/- 0.04% / °C maximum

Transient Response:

Maximum excursions of 4% or better on all models, recovering to 1% of final value within 500us max after a 25% step load change

Environmental

Operating Temperature:

0°C to 70°C for all desk tops from 15 Watts, derated from 100% at +40°C linearly to 50% at +70°C.
0°C To 50°C for all wall plug-ins and SP1900 series 10 Watt desk-top

Storage Temperature:

-40°C to +85°C

Relative Humidity:

5% to 95°C non-condensing

General

Efficiency:

70% minimum at full output typical

Hold-up Time:

5msec minimum typical

0-20 Watts Output

Wall Plug-in

North American 2 blade input, 90-132 VAC
Available with Euro, British, and Australian plugs, 90-264 VAC input:
Add suffix E, B or A, respectively.

Output Volts DC	Current	Part Number
5V	0-3.50A	SP3105
6V	0-2.50A	SP3106
7.5V	0-2.50A	SP3107
9V	0-2.00A	SP3109
12V	0-1.60A	SP3112
15V	0-1.30A	SP3115
18V	0-1.00A	SP3118
24V	0-0.80A	SP3124

Size: 84L x 56W x 50H

Inrush Current:

15 Amps @ 115VAC, Or 30 Amps @ 230 VAC at 25°C Cold Start

Withstanding Voltage:

3000 VAC from input to output,
1500 VAC from input to ground.
500 VAC from output to ground

Insulation Resistance:

50 Mohm minimum from output to ground

Mean Time Between Failure:

100,000 hours minimum at full load at 25°C ambient

EMI Requirements:

Meets conduction limits of (A) FCC 20780 Class B (B) CISPR 22 Class B

Safety Requirements:

Meets or exceeds (A) UL 1950 (B) CSA C22.2 no. 234 IEC 60950 per TUV

Safety Approvals:

UL/CSA or cUL/CE/TUV