



24 Watt Plugtop Range

Electrical Specifications



AC/DC POWER SUPPLY MODULE				
S/N	TEST ITEMS	UNIT	VALUE	TEST CONDITIONS/RECORDS
Input				
1	Nominal Input Voltage	Vac	100 - 240	-
2	Input Voltage Range	Vac	90 - 264	-
3	Input Frequency	Hz	50/60	At any load
4	AC Input Current	Arms	0.6	At full load & any input voltage

Output				
1	Nominal Output Voltage	Vdc	See Page 2 - Model List &	-
2	Output Voltage Range	Vdc		At any input voltage & Load
3	Max. output Current	A		-
5	Line Regulation	%	±1% max.	At any input voltage & max. load
6	Load Regulation	%	±5% max.	At any input voltage
7	Ripple and Noise	mVp-	<120	Any input voltage & any Load
8	Efficiency	%	>70	At any input and max. load
9	Output Cable	mm	L=1800	18#AWG. Plug Size :
10	Input Connector	--	-	-
11	Output Short Circuit	-	Hiccup	Self recovering
12	Over Current Protection	A	≤7	At 220Vac input voltage

Environmental				
1	Operating Temperature	°C	0 ~ +40	Full load & natural convection.
2	Storage Temperature	°C	-10 ~ +70	-
3	Operating Humidity	%RH	10 ~ 90	-
4	Storage Humidity	%RH	5 ~ 90	Relative humidity, non-condensing

Safety standard & EMI				
1	Withstand Voltage (Hi-	KVac	I/P to O/P: 3.0 (60Sec.)	Set cut-off current to 10mA
2	Safety Standard	-	UL1950 / EN60950	-
3	EM/RFI Standard	-	EN55022B / FCC	-

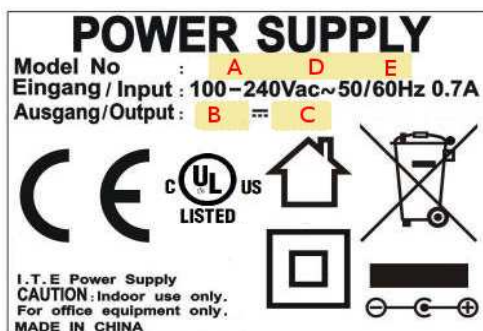
Mechanical Characteristics				
1	Size	mm	84.6 * 52.6 * 41.2 (L * W * H)	Casing only
2	Weight	g	Approx.	-

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Model List and Label

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Symbol	D	E
Interchanger	I	U
		UL Version
		E
		Euro Version
		B
		UK Version
		T
		Taiwan Version
		C
		China Version
		A
		Austria Version
		K
		Korea Version
		J
		Japan Version
		A
		Argentina Version

Symbol	A	B	C
No.	MODEL LIST	Output Voltage (VDC)	Output Current (mA)
1	SPA-030yyyy	3.0	100 to 4,000
2	SPA-033yyyy	3.3	100 to 4,000
3	SPA-035yyyy	3.5	100 to 4,000
4	SPA-040yyyy	4.0	100 to 4,000
5	SPA-045yyyy	4.5	100 to 4,000
6	SPA-050yyyy	5.0	100 to 4,000
7	SPA-055yyyy	5.5	100 to 4,000
8	SPA-060yyyy	6.0	100 to 4,000
9	SPA-065yyyy	6.5	100 to 3,500
10	SPA-070yyyy	7.0	100 to 3,400
11	SPA-075yyyy	7.5	100 to 3,000
12	SPA-080yyyy	8.0	100 to 2,800
13	SPA-085yyyy	8.5	100 to 2,700
14	SPA-090yyyy	9.0	100 to 2,600
15	SPA-095yyyy	9.5	100 to 2,500
16	SPA-100yyyy	10.0	100 to 2,300
17	SPA-105yyyy	10.5	100 to 2,250
18	SPA-110yyyy	11.0	100 to 2,150
19	SPA-115yyyy	11.5	100 to 2,050
20	SPA-120yyyy	12.0	100 to 2,000
21	SPA-125yyyy	12.5	100 to 1,900
22	SPA-130yyyy	13.0	100 to 1,800
23	SPA-135yyyy	13.5	100 to 1,770
24	SPA-138yyyy	13.8	100 to 1,700
25	SPA-140yyyy	14.0	100 to 1,650
26	SPA-145yyyy	14.5	100 to 1,650
27	SPA-150yyyy	15.0	100 to 1,600
28	SPA-155yyyy	15.5	100 to 1,500
29	SPA-160yyyy	16.0	100 to 1,500
30	SPA-165yyyy	16.5	100 to 1,450
31	SPA-170yyyy	17.0	100 to 1,400
32	SPA-175yyyy	17.5	100 to 1,350
33	SPA-180yyyy	18.0	100 to 1,300
34	SPA-185yyyy	18.5	100 to 1,250
35	SPA-190yyyy	19.0	100 to 1,250

Symbol	A	B	C
No.	MODEL LIST	Output Voltage (VDC)	Output Current (mA)
36	SPA-195yyyy	19.5	100 to 1,200
37	SPA-200yyyy	20.0	100 to 1,200
38	SPA-205yyyy	20.5	100 to 1,150
39	SPA-210yyyy	21.0	100 to 1,100
40	SPA-215yyyy	21.5	100 to 1,100
41	SPA-220yyyy	22.0	100 to 1,090
42	SPA-225yyyy	22.5	100 to 1,050
43	SPA-230yyyy	23.0	100 to 1,000
44	SPA-235yyyy	23.5	100 to 1,000
45	SPA-240yyyy	24.0	100 to 1,000
46	SPA-245yyyy	24.5	100 to 950
47	SPA-250yyyy	25.0	100 to 950
48	SPA-255yyyy	25.5	100 to 900
49	SPA-260yyyy	26.0	100 to 900
50	SPA-265yyyy	26.5	100 to 900
51	SPA-270yyyy	27.0	100 to 860
52	SPA-275yyyy	27.5	100 to 850
53	SPA-280yyyy	28.0	100 to 840
54	SPA-285yyyy	28.5	100 to 830
55	SPA-290yyyy	29.0	100 to 820
56	SPA-295yyyy	29.5	100 to 810
57	SPA-300yyyy	30.0	100 to 800
58	SPA-305yyyy	30.5	100 to 750
59	SPA-310yyyy	31.0	100 to 750
60	SPA-315yyyy	31.5	100 to 750
61	SPA-320yyyy	32.0	100 to 740
62	SPA-325yyyy	32.5	100 to 730
63	SPA-330yyyy	33.0	100 to 720
64	SPA-335yyyy	33.5	100 to 710
65	SPA-340yyyy	34.0	100 to 700
66	SPA-345yyyy	34.5	100 to 680
67	SPA-350yyyy	35.0	100 to 670
68	SPA-355yyyy	35.5	100 to 660
69	SPA-360yyyy	36.0	100 to 670

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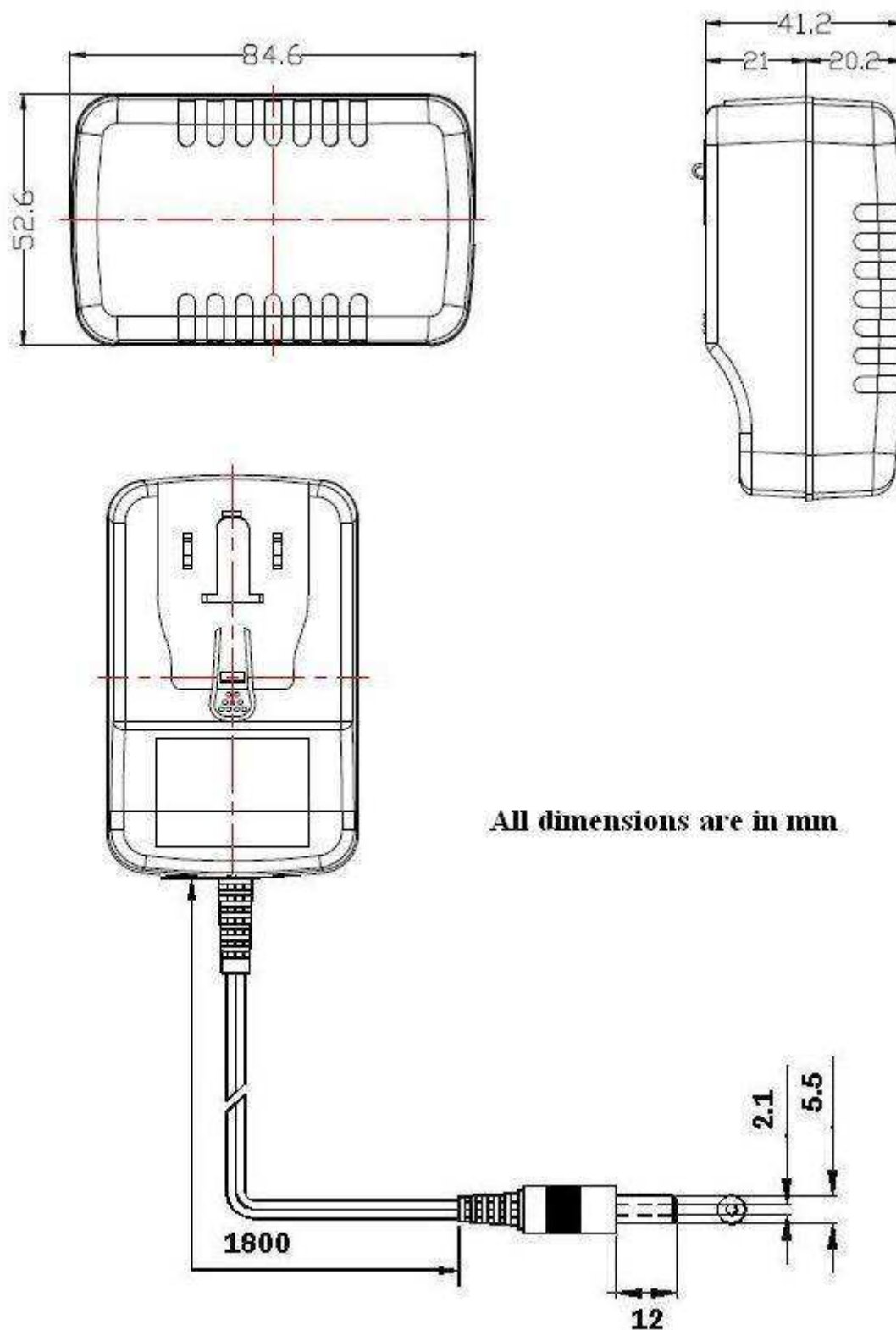
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Case Diagram and Schematic

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All dimensions are in mm

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Interchangers Digram and Schematic

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