

TAMURA 15 to 60 WATT SWITCH-MODE REGULATED DC POWER SOURCES

Wall Plug-In and Table Top Models.



file nos. E132244
E82180



file nos. LR65893
LR44447

file no. 7969-3336



file nos. 91-33935 91-36510 91-36511

For applications requiring more power from an external power source, Tamura offers 15, 20, 30, 40 and 60 watt output ratings in compact, light weight, wall plug-in and table top cases for world wide use.

FEATURES

- World Wide AC Input.
- UL 1310 Listed: 15/20/30W.
- UL 1950 Recognized: 40/60W.
- No Minimum Load.
- Input Surge: $\leq 50A$; $\leq 20A$, 20/30W.
- Efficiency: 65%-70% typ.
- Ripple/Noise (p-p): 100mV, 20/30W; 5V-6V, 40/60W; 150mV, 9V-17.5V 40/60W; 200mV, 15W.
- Hold-Up: $\geq 10\text{msec}$; $\geq 5\text{msec}$, 15W.
- Overload Protection: $\geq 110\%$ FL.
- Operating Temp: 0°C to $+40^{\circ}\text{C}$.
- Storage Temp: -10°C to $+70^{\circ}\text{C}$.
- Operating Humidity: 10-90% RH.
- Storage Humidity: 5-95% RH.
- Withstand Voltage: 1.5kVrms; VDE model, 3kVrms.
- Insulation Resistance: $\geq 50M\Omega$ @ 500VDC.
- EMI: FCC part 15J Class B; VDE 0871 Class B.
- AC Input Connector: IEC type #320 receptacle (40/60W)

15, 20 & 30 WATT MODELS: 90-132VAC, 47-63Hz. FOR UL CSA TYPE WALL PLUG

MODEL No.	CASE SIZE	RATED VDC	DC AMP	LINE REG.	LOAD REG. @ .5FL		PLUG	PRICE (qty)		
					VDC	AMP		1-9	10-24	25-99
SWA-0502	20W	5	3.5	± 0.1	5.20	1.75	I	\$54.80	\$51.50	\$47.10
SWA-0503	30W	5	4.0	± 0.1	5.20	2.00	I	62.30	58.60	53.60
SWA-0601	15W	6	2.0	± 0.2	6.60	1.00	I	45.40	42.70	39.00
SWA-0602	20W	6	3.5	± 0.1	6.20	1.75	I	54.80	51.50	47.10
SWA-0603	30W	6	4.0	± 0.1	6.20	2.00	I	62.30	58.60	53.60
SWA-0701	15W	7	1.7	± 0.2	7.70	0.85	I	45.40	42.70	39.00
SWA-0901	15W	9	1.5	± 0.3	9.50	0.75	I	45.40	42.70	39.00
SWA-0902	20W	9	2.5	± 0.1	9.15	1.25	I	54.80	51.50	47.10
SWA-0903	30W	9	3.0	± 0.1	9.15	1.50	I	62.30	58.60	53.60
SWA-1201	15W	12	1.3	± 0.4	12.40	0.65	I	45.40	42.70	39.00
SWA-1202	20W	12	2.0	± 0.1	12.10	1.00	I	54.80	51.50	47.10
SWA-1203	30W	12	2.5	± 0.1	12.10	1.25	I	62.30	58.60	53.60
SWA-1501	15W	15	1.0	± 0.4	15.50	0.50	I	45.40	42.70	39.00
SWA-1502	20W	15	1.6	± 0.1	15.10	0.80	I	54.80	51.50	47.10
SWA-1503	30W	15	2.0	± 0.1	15.10	1.00	I	62.30	58.60	53.60
SWA-1702	20W	17	1.25	± 0.1	17.15	0.63	I	54.80	51.50	47.10

40 & 60 WATT TABLE-TOP MODELS: WORLD WIDE 90-264VAC, 47-63Hz. WITH IEC 320 INPUT PLUG

SWA-0504W	40W	5	5.0	± 0.2	5.30	2.50	I	91.60	86.10	78.80
SWA-0506W	60W	5	7.5	± 0.2	5.35	3.75	I	113.40	106.60	97.70
SWA-0604W	40W	6	4.2	± 0.2	6.25	2.10	I	91.60	86.10	78.80
SWA-0606W	60W	6	6.3	± 0.2	6.30	3.15	I	113.40	106.60	97.50
SWA-0904W	40W	9	3.0	± 0.2	9.20	1.50	I	91.60	86.10	78.70
SWA-0906W	60W	9	4.5	± 0.2	9.25	2.25	I	113.40	106.60	97.50
SWA-1204W	40W	12	3.0	± 0.2	12.20	1.50	I	91.60	86.10	78.80
SWA-1206W	60W	12	4.5	± 0.2	12.25	2.25	I	113.40	106.60	97.50
SWA-1504W	40W	15	2.5	± 0.2	15.20	1.25	I	91.60	86.10	78.80
SWA-1506W	60W	15	4.0	± 0.2	15.25	2.00	I	113.40	106.60	97.50
SWA-1704W	40W	17.5	2.3	± 0.2	17.65	1.15	I	91.60	86.10	78.80
SWA-1706W	60W	17.5	3.5	± 0.2	17.70	1.75	I	113.40	106.60	97.50

15 WATT VDE WALL MODELS: 198-264VAC, 47-63Hz. FOR EUROPEAN WALL PLUG

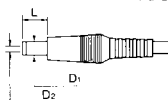
SWA-0601AE	15W	6	2.0	± 0.2	6.60	1.00	I	49.94	46.90	42.90
SWA-0901AE	15W	9	1.5	± 0.2	9.55	0.75	I	49.94	46.90	42.90
SWA-1201AE	15W	12	1.3	± 0.2	12.50	0.65	I	49.94	46.90	42.90
SWA-1501AE	15W	15	1.0	± 0.2	15.50	0.50	I	49.94	46.90	42.90

Note 1: Line regulation in VDC, over rated VAC input.

MECHANICAL DIMENSION TABLE

CASE SIZE	LENGTH (L) mm (inch)	WIDTH (W) mm (inch)	HEIGHT (H) mm (inch)	WEIGHT gm (oz)	FIG No.
15W	94 (3.70)	67 (2.64)	41 (1.61)	283 (10)	1
15W (VDE)	102 (4.02)	70 (2.76)	50 (1.97)	340 (12)	2
20W	107 (4.21)	71 (2.80)	44 (1.73)	368 (13)	1
30W	120 (4.72)	76 (2.99)	46 (1.81)	425 (15)	1
40W	160 (6.30)	80 (3.15)	65 (2.56)	680 (24)	3
60W	200 (7.87)	100 (3.94)	66 (2.60)	851 (30)	3

FIG. 4 OUTPUT CONNECTOR PLUG I



O.D. = 5.50mm
I.D. = 2.10mm
L = 9.5mm
Tip = (-)

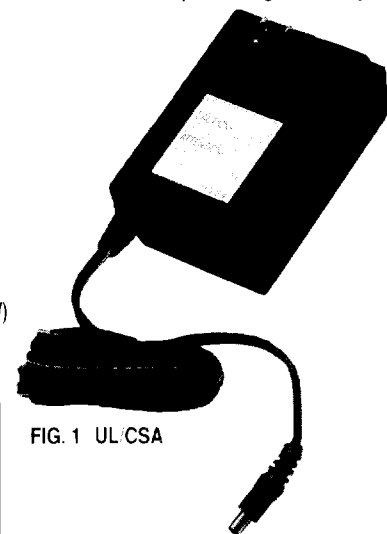


FIG. 1 UL/CSA

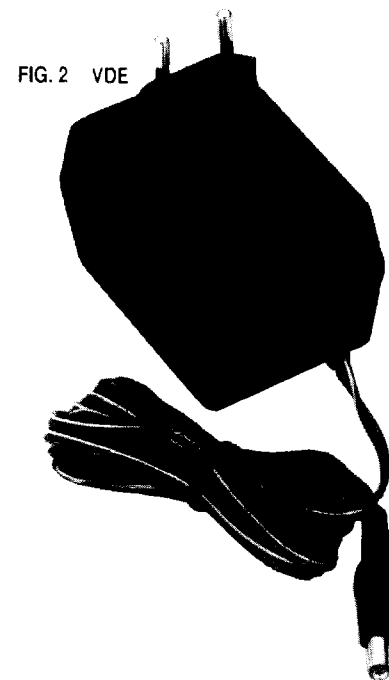
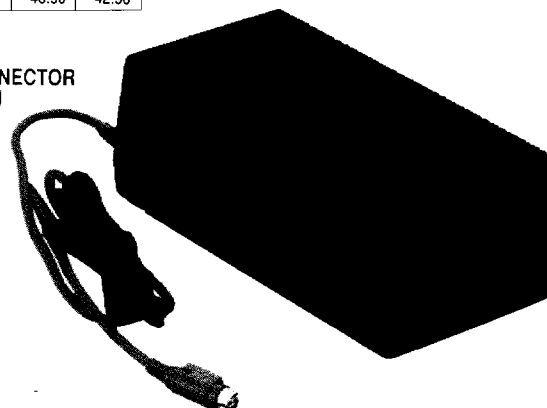


FIG. 2 VDE

FIG. 3 40W & 60W



CONTACT TAMURA for DETAILED DATA SHEETS FAX 909/676/9482 or CALL (909) 699-1270