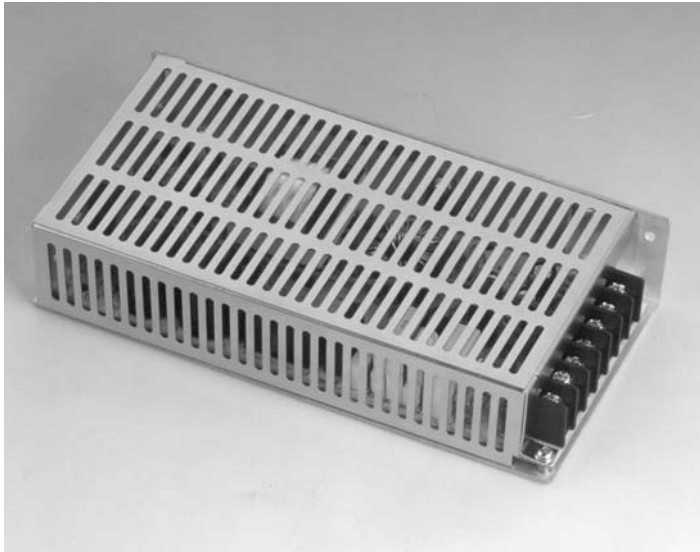




TPS100LB SERIES

BOX TYPE



KEY FEATURES

- * Built-in EMI filter
- * Optional remote sense on main outputs
- * Low Cost

APPLICATIONS

- * Telecommunications
- * Computer peripherals / Business machines
- * Test & industrial equipments
- * Medical instruments

ELECTRICAL SPECIFICATIONS

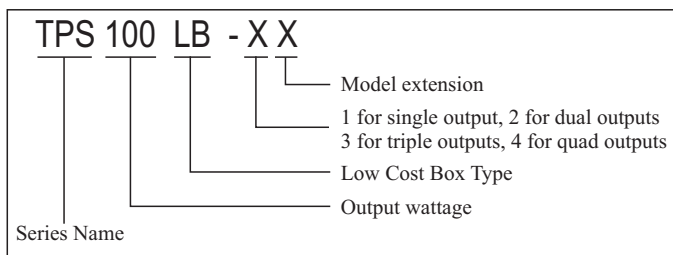
INPUT

- * Input range ----- 90 ~ 264 VAC, universal
- * Frequency ----- 47 ~ 63Hz
- * Inrush current ----- 38A Typ. Cold start @ 25°C, 115VAC
- * Efficiency ----- 65%~80% typical at full load
- * EMI filter ----- FCC Class B, CISPR 22 Class B, EN55022 class B
- * Line regulation ----- +/- 0.5%

OUTPUT

- * Maximum power ----- 100W for convection
(Refer to next page)
- * Hold-up time ----- 10ms at full load and 115 VAC nominal line
- * Overload protection -- Short circuit protection.
- * Overvoltage protection ----- Main output 20% to 40% above nominal output
- * Ripple/Noise ----- +/- 1% Max. @ full load
(Optional +/- 0.5% per inquiry)

ORDERING INFORMATION



EMI & EMC

- * FCC part 15, Class B
- * CISPR 22 / EN55022, Class B
- * VCCI, Class 2
- * CE, EN61000-3-2 (Class A) and-3;
EN61000-4-2, -3, -4, -5, -6 and -11

SAFETY APPROVAL

- * UL 1950 / cUL
- * Optional CSA 22.2, LEVEL 3 (COMPLY WITH)
- * TUV EN60950
- * Optional UL 2601(EMI Class A) (COMPLY WITH)

ENVIRONMENTAL

- * Operating temperature:
0 to 50°C ambient; derate each output at 2.5% per degree from 50°C to 70°C
- * Electromagnetic susceptibility:
Designed to meet IEC 801 -2, -3, -4, -5, Level 3
- * Humidity:
Operating; non-condensing 5% to 95%
- * Vibration:
10 ~ 55 Hz at 1G 3 minutes period, 30 minutes along X, Y and Z axis
- * Storage temperature:
-40 to 85°C
- * Temperature coefficient:
+/- 0.05% per degree C
- * MTBF demonstrated:
> 100,000 hours at full load and 25°C ambient conditions



SWITCHING MODE 100W POWER SUPPLIES

OUTPUT SPECIFICATION

TPS100LB-1X

MODEL	OUTPUT CURRENT (A)								
	5V	12V	15V	24V	48V	13.5V	56V	3.3V	18V
TPS100LB-10	20								
TPS100LB-11		8.33							
TPS100LB-12			6.67						
TPS100LB-13				4.17					
TPS100LB-14					2.08				

TPS100LB-2X

MODEL	OUTPUT CURRENT (A)								
	5V	12V	-5V	-12V	15V	-15V	24V	48V	3.3V
TPS100LB-20	11	4.5							
TPS100LB-21	11						2.5		
TPS100LB-22	11		11						
TPS100LB-23		4.5		4.5					
TPS100LB-24					3.8	3.8			
TPS100LB-26	1							2	

NOTES

- * 120% Peak current lasting < 30 seconds with a maximum 10% duty cycle.
- * Specifications are for convection rating unless otherwise stated.
- * Detailed engineering specification of each model is available for inquiry.
- * Special output voltage inquiry is welcomed.
- * Specifications subject to change without notice.

TPS100LB-3X

MODEL	OUTPUT CURRENT (A)								
	5V	12V	-5V	-12V	15V	-15V	24V	48V	3.3V
TPS100LB-30	11	4.5	0.7						
TPS100LB-31	11	4.5		0.7					
TPS100LB-32	11				3	0.7			
TPS100LB-33	15		0.6		2				
TPS100LB-34	14			0.6	2				
TPS100LB-35	10			0.6			2		
TPS100LB-36	4	7		0.6					
TPS100LB-37	10	4					0.3		
TPS100LB-38	7	2						1	

TPS100LB-4X

MODEL	OUTPUT CURRENT (A)								
	5V	12V	-5V	-12V	15V	-15V	24V	48V	3.3V
TPS100LB-40	11	4	0.6	0.6					
TPS100LB-41	11	3	1	1					
TPS100LB-42	11	2			1	1			
TPS100LB-43	8	3		1		1			
TPS100LB-44	8	1		1				1	
TPS100LB-45	8	2		1			2		

MECHANICAL DRAWING

