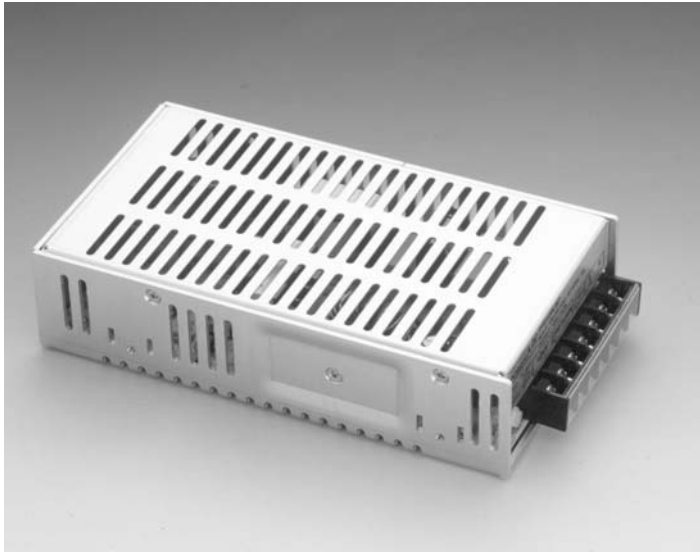




## TPS100LBP SERIES

BOX TYPE w/ ACTIVE PFC



### KEY FEATURES

- \* Active Power Factor Corrector (PFC)
- \* Universal input
- \* Built-in EMI filter
- \* Low Cost

### APPLICATIONS

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

### ELECTRICAL SPECIFICATIONS

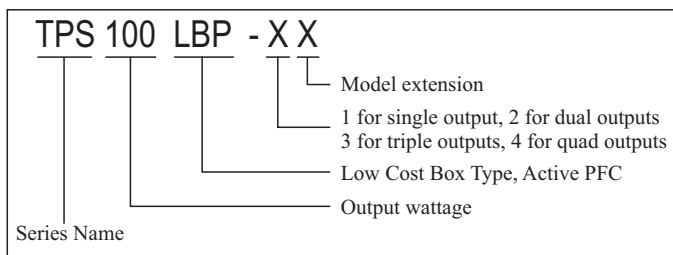
#### INPUT

- \* 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 TYP. with 17CFM forced air (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

#### TPS100LBP-1X

MODEL	OUTPUT CURRENT (A)								
	5V	12V	15V	24V	48V	13.5V	56V	3.3V	18V
TPS100LBP-10	20								
TPS100LBP-11		8.33							
TPS100LBP-12			6.77						
TPS100LBP-13				4.17					
TPS100LBP-14					2.08				

#### TPS100LBP-2X

MODEL	OUTPUT CURRENT (A)								
	5V	12V	-5V	-12V	15V	-15V	24V	48V	3.3V
TPS100LBP-20	11	4.5							
TPS100LBP-21	11						2.5		
TPS100LBP-22	11		11						
TPS100LBP-23		4.5		4.5					
TPS100LBP-24					3.8	3.8			
TPS100LBP-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.

#### TPS100LBP-3X

MODEL	OUTPUT CURRENT (A)								
	5V	12V	-5V	-12V	15V	-15V	24V	48V	3.3V
TPS100LBP-30	11	4.5	0.7						
TPS100LBP-31	11	4.5		0.7					
TPS100LBP-32	11				3	0.7			
TPS100LBP-33	15		0.6		2				
TPS100LBP-34	14			0.6	2				
TPS100LBP-35	10			0.6			2		
TPS100LBP-36	4	7		0.6					
TPS100LBP-37	10	4					0.3		
TPS100LBP-38	7	2						1	

#### TPS100LBP-4X

MODEL	OUTPUT CURRENT (A)								
	5V	12V	-5V	-12V	15V	-15V	24V	48V	3.3V
TPS100LBP-40	11	4	0.6	0.6					
TPS100LBP-41	11	3	1	1					
TPS100LBP-42	11	2			1	1			
TPS100LBP-43	8	3		1		1			
TPS100LBP-44	8	1		1				1	
TPS100LBP-45	8	2		1			2		

### MECHANICAL DRAWING

