

SPN100 Series

100 WATT, Universal Input Fully Enclosed Switching Power Supply



FEATURES

- POWER FACTOR CORRECTED
- UNIVERSAL INPUT (AC85-264V)
- BUILT-IN OVERVOLTAGE PROTECTION
- OVERCURRENT PROTECTION
- LIGHTWEIGHT CONSTRUCTION
- METAL CHASSIS WITH COVER
- COMPACT LOW-PROFILE PACKAGE
- 3 YEAR WARRANTY

SAFETIES/EMI



FCC-B
EN 55022-B
VCCI-II

ELECTRICAL SPECIFICATIONS

All specifications are typical at nominal input, full

INPUT SPECIFICATIONS

Input Voltage.....	AC 85V-264 DC 110V-340
Input Frequency.....	47-63 Hz
Input Current.....	0.66~1.3A T
Inrush Current (100/230VAC cold start)....	15~25A
Power Factor.....	0.99

OUTPUT SPECIFICATIONS

Output Voltage.....	See Chart
Output Adjustment.....	+/-10%
Efficiency.....	79~87%
Over-Voltage Protection.....	115 - 150% 1
Over-Current Protections.....	Automatic R min)
Ripple and Noise.....	100 mVp-p 1
Hold-Up Time.....	50 mS
Line/Load Regulation.....	See Chart
Rise Time.....	800-1600 mS
Leakage Current (100/230VAC).....	0.75 mA

GENERAL SPECIFICATIONS

MTBF.....	>140,000 Hours
Isolation Voltage	
Primary to Secondary.....	3000 VAC
Primary to Case.....	1500 VAC
Secondary to Case.....	500 VAC
Isolation Resistance.....	100-Mohms 1

ENVIRONMENTAL SPECIFICATIONS

Operating Temperatures.....	0°-60°C
	Derates linearly 2.
Cooling.....	Convection
Temperature Coefficient.....	0.02%/°C
Humidity.....	20 - 85% Rh (No
Storage Temperature.....	-20°~85°C
Shock Vibration.....	Shock: 20G (3 dir
	Vibration: 10~55Hz

PHYSICAL SPECIFICATIONS

Metal Enclosed, Terminal Block

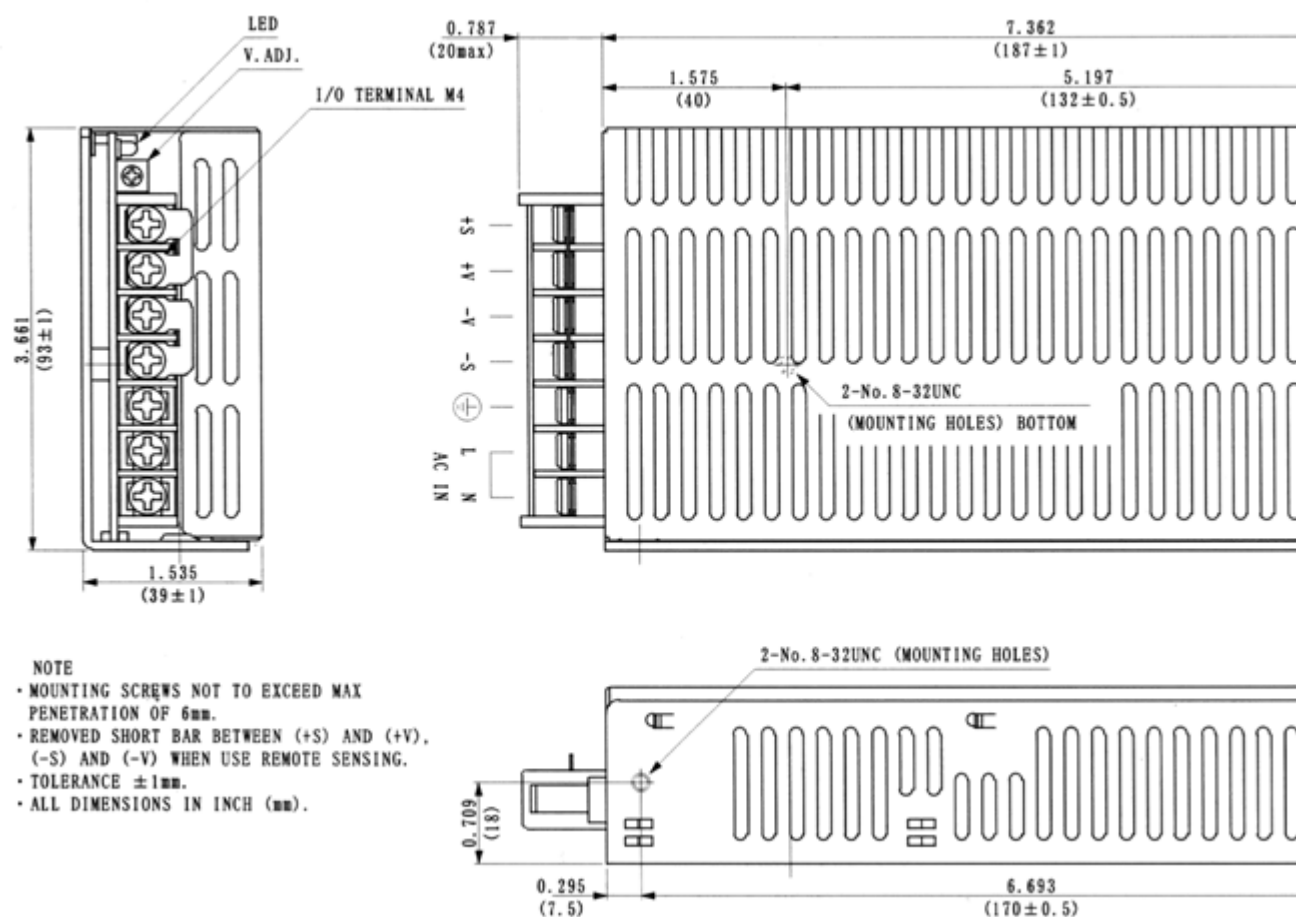
MODEL	OUTPUT VOLTAGE	CURRENT 85~264 VAC	OUTPUT CURRENT		LINE REGULATION (85~132VAC) (170~264VAC)	LOAD REGULATION (mVmax)
			100VAC	230VAC		
SPN100-05S	5V	20.0 A	79%	81%	10	
SPN100-12S	12V	8.6 A	83%	85%	10	
SPN100-15S	15V	7.0 A	83%	86%	10	
SPN100-24S	24V	4.4 A	83%	86%	20	
SPN100-48S	48 V	2.2 A	84%	87%	20	

NOTE:

All specifications typical and nominal/full load and 25°C unless otherwise noted.

Avoid sustained operation in overload or dead short conditions.

Specifications subject to changes without notice.



*No. 6-32 mounting

*Dimensions in inch

*Terminal block type connector