

Fiche Technique **FSP180-50LE**



**INPUT SPECIFICATIONS**

Input voltage:	90 to 264 VAC
Input frequency:	47Hz to 63Hz

**OUTPUT SPECIFICATIONS**

Over voltage protection:	+3.3V: 3.7V - 4.5V +5V: 5.7V - 6.5V +12V: 13.3V - 15.6V
Short Circuit Protection:	It is defined to be a short circuit load of less than 0.1 ohm.

**GENERAL SPECIFICATIONS**

Hold-up time:	>17.0 mS
Efficiency:	>68% at full load
Voltage:	1500VAC from input to output
MTBF:	100,000 hours at full load at 25°C

**ENVIRONMENTAL SPECIFICATIONS**

Operating temperature:	0°C to +50°C
Storage temperature:	-20°C to +80°C
Relative Humidity:	95% non-condensing

**FSP180-50LE LOADING CHART**

The cross regulation defined as follows, the voltage regulation limits DC include DC Output ripple & noise.

LOAD	STM	+3.3V	+5V	+12V	-12V
ALL MAX	HHHH	4.5A	9.0A	9.0A	0.5A
+5V MAX other MIN	LHLL	0.3A	16.0 A	5.0A	0.2A
+3.3V MAX other MIN	HLLL	14.0 A	0.3 A	1.0A	0.1A
+12V MAX other MIN	LLHL	0.3 A	2.0 A	14.0A	0.1A
ALL MIN	LLLL	0.3 A	0.3 A	1.0A	0.0A

FSP180-50LE



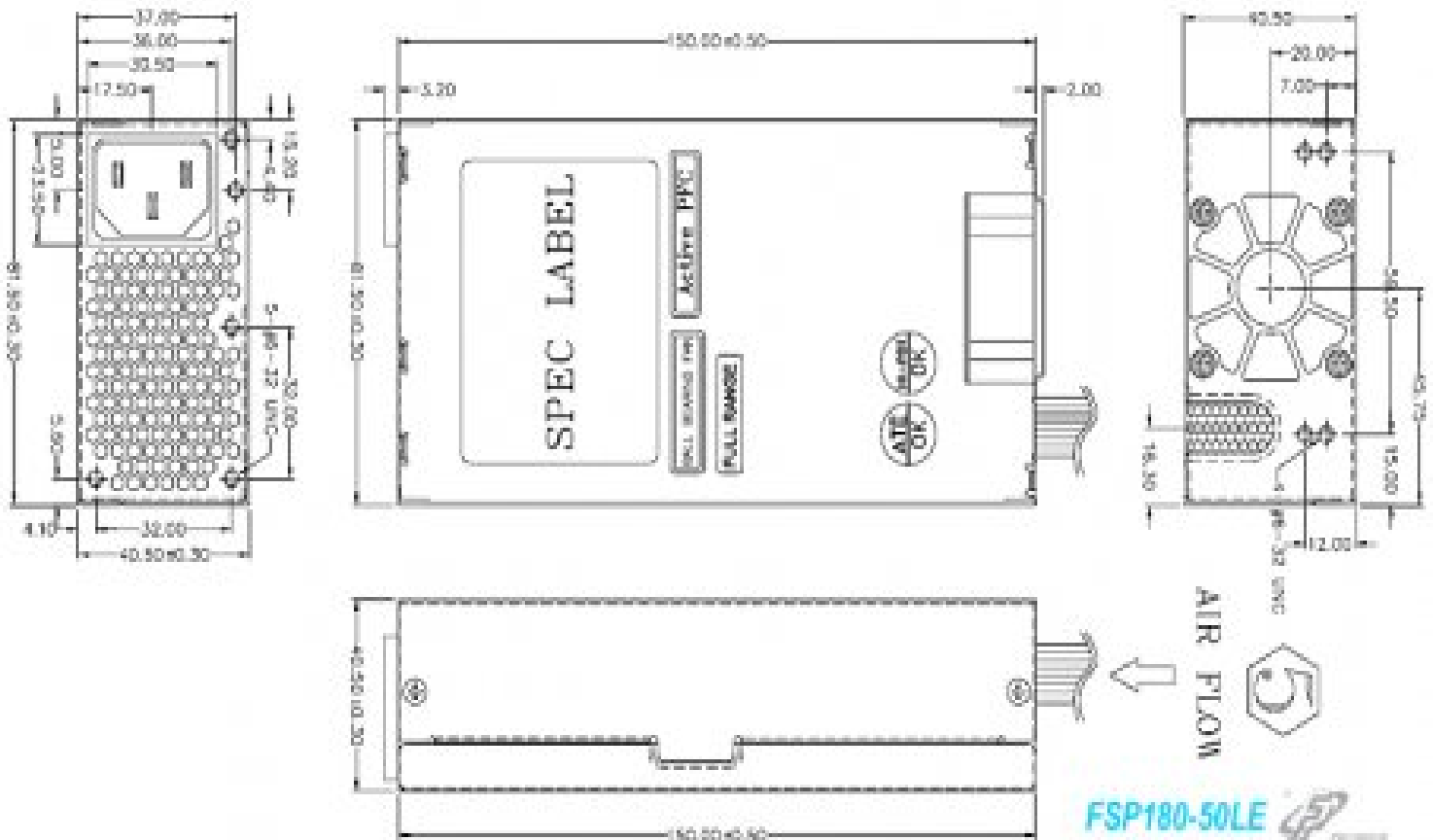
**FSP180-50LE OUTPUT CHART**

Output	Nominal	Regulation	Ripple/Noise	Min	Max
1	+3.3V	±5%	50mV	0.3A	14.0A
2	+5V	±5%	50mV	0.3A	16.0 A
3	+12V	±5%	120mV	1.5A	14.0 A
4	-12V	±10%	120mV	0.0 A	0.5A
5	+5VSB	±5%	50mV	0.0 A	2.0A

※ -12V,+3.3V, +5V,+12V will have the regulation to ±10% when all load take off.

The +3.3V and +5V total output shall not exceed 90watts. The +3.3V, +5V and +12V total output shall not exceed 180watts and the total output for this subject power supply is 180 watts. Ripple and noise measurements shall be made under all specified load conditions through a single pole low pass filter with 20MHz cutoff frequency. Outputs shall bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF electrolytic capacitor to simulate system loading.

FSP180-50LE 



FSP180-50LE 

