

ALLIED Tech 500W SL-8500BTX 12cm Fan

Feature

- Complies with ATX12V Version 2.2 V
- 230 Vac Selectable
- Passive PFC circuit
- 1W Circuit
- Thermal Fan-speed Control
- 120*120*25mm Cooling fan
- Dimension : 150(L)*140(W)*86(H)mm

Environmental

- Operating temperature : 5°C to 40°C
- Storage temperature : -20°C to 70°C
- MTBF : >50'000hrs at 80% load , 25°C ambient

EMI/RFI

- FCC Part 15 Class B , CISPR 22 Class B , CE

SAFETY

- CUL 、 TUV 、 CB 、 CSA

Electrical Specification

Input

- Input range : 230Vac. $\pm 15\%$ (180V ~ 264V)
- Frequency : 47~63Hz
- Input Current : 500W : 6A FOR 230Vac
- Efficiency : 65% at full load , nominal line.
- Inrush current : The maximum inrush current shall be less than 60A peak from a cold start at any line voltage

DC Connectors

One 20+4 / 24Pin Connector

Four Serial ATA Connector

Two HDD Connector

One Floppy Drive Connector

One PCI-E Connector

Output	Output #	I min	I max.	I peak
+12 V1	1	1A	15A	
+12 V2	2	1A	16A	
+5 V	3	0.5A	16A	
+3.3 V	4	0.5A	22A	
-12 V	5	0.0A	0.8A	
+5 VSB	6	0.0A	2.5A	
+5V & +3.3V combined load			130 W	
+5V & +3.3V & +12V combined load			480 W	
Total power rating			500 W	

Output

- Max. : 500W
- Hold up time : >12ms at full load , nominal line.
- Rise time : <20ms at full load , nominal line.
- Over voltage protection : +3.3V , +5V , +12V.
- Over power protection : 120-160%
- Over current protection
- Short circuit protection : Latch off.
- Power good signal : TTL compatible.

- **REGULATION :**

+12V1 : 11.4V~12.6V==== $\pm 5\%$
+12V2 : 11.4V~12.6V==== $\pm 5\%$
+5V : 4.75V~5.25V==== $\pm 5\%$
+3.3V : 3.14V~3.47V==== $\pm 5\%$
-12V : -10.8V~-13.2V==== $\pm 10\%$
+5VSB : 4.75V~5.25V==== $\pm 5\%$

- **RIPPLE&NOISE(mV) :**

+12V1 ----- 150mVp-p
+12V2 ----- 150mVp-p
+5V ----- 80mVp-p
+3.3V ----- 100mVp-p
-12V ----- 150mVp-p
+5VSB ----- 80mVp-p