



APPROVAL SHEET

Mid-tower computer case

MODEL NO.: SP3205B-420W-PFC-HD



Article No. : SP-AP-CP-A083 Issue Date : Nov 15, 2010 Version : A/0	Audited by
Checked by	Drafted by

Spire Corp.

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[Http://www.spirecoolers.com](http://www.spirecoolers.com)



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Approval Sheet Revisement Record

Article No: SP-AP-CP-A083

Version	Revised Chapter	Description	Revised Date	Drafted by	Audited by	ECN No.



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1 Features:

- * Stylish & Sophisticated design
- * Durable and sturdy 0.5mm SGCC metal structure
- * Front USB and Audio Connections
- * Full Folded, Full Screen and Radiation protected
- * Micro ATX and Mini ITX Motherboard, Compatible
- * Rear 90mm and front 120mm fan space available
- * Quality engineered and professional chassis structure

2 Accessories:

- 1) screw bag
- 2) Multi-language manual
- 3) 1.5M Eu power cable
- 4) Warranty registration card



3 Specification

Color:

Font Panel: Black

Side & top panel: black

Material:

Front panel : ABS

Structure: 0.45mm, SGCC

Font I/O connection:

Audio & earphone x1 (Supports AC'97 & HD Audio)

USB 2.0 x2

Drive bays:

3.5" bays: 7--- 6 internal, 1 external

5.25 "bays: 2--- 2 external

Motherboard:

- 9.6" x 9.6" (Micro ATX) 244*244 mm,

Bracket slots: 4

Cooling:

Rear:8/9cm fan space

Side:8cm fan space

Front:8/9/12cm fan space

PSU compatible: ATX(included ATX-420W-PFC-PSU-1)

Installation:

Hand screw side panel

Dimensions&Weight:

Product: 415*182*353mm (L*W*H) N.W 5.8kg

Packaging: 400*230*475mm(L x W x H) G.W 6.8kg



4.PSU: ATX-420W-PFC-PSU-1:

ATX-420W-PFC-PSU-1: 220V, 420W psu,120mm FAN,20+4pin,2SATA,2IDE,1FLOPPY,12V4pin,
Matel case,1.5M Eu power cord.

Features	Intel ATX 1.3 Specification Compliant Supports the newest Intel and AMD Micro-Processors I/O Short Circuit & Overload /OVP/OLP/ SCP Protection SATA Power Connector
Dimensions	140mm(L)X150mm(W)X85mm(H)
Version	ATX 12V Ver. 1.3
Connectors	20+4pin 1PCS, 12V 4pin 1PCS,SATA 2PCS,, IDE (Molex) 4pin 2PCS, Floppy 4pin 1PCS
Cables	20+4pin 1PCS, 12V 4pin 1PCS, 2IDE/Floppy1PCS, 2SATA 1PCS
Case	0.6mm Metal case
PFC Function	
Rated Voltage	200~240 Vac
Frequency	50~60 Hz
Current	4A for 230VAC
Hold-up Time	16 ms(min)
Nom. Power	420W
P.G. Signal	100~500ms
Voltage Protection	+12V trip point 13.4V - 15.6V +5V trip point 5.74V - 7.0V +3.3V trip point 3.76V - 4.3V
Noise Level	21 dBA Max
Cooling	1 x 120mm fan
MTBF	100,000 Hours
Application	Intel Pentium 4,Intel Celeron D,Intel Core 2,Intel Core 2 Due,Intel Core 2 Extreme/AMD Athlon 64X2,AMD Athlon 64 FX,AMD Athlon 64,etc.
Operating Temperature	0~40℃
Storage Temperature	-20~60℃
Warranty	2 Years



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5. Correlative Certification compliance

Item #	Certification type	Certification Number	Certification listing	Remark
1	CE/EMC	BST10120023ER-1	WWW.BST-LAB.COM	
	CE/LVD	BST10120023SC-2	WWW.BST-LAB.COM	
2	ROHS	WT06060878A1/-S-R	www.waltek.com.cn	

6 Pictures:



Product Includes



- 1 Case Speaker 1PC 【M/B warning】
- 2 SCW-Round-PWM3*5 12PCS 【ODD/FDD Installation】
- 3 SCW-Round-BM 6#32-5 10PCS 【M/B and HDD Installation】
- 4 SCW-Hexagon-6#32*6 8PCS 【PCI Installation】
- 5 SCW-KB5*10 2PCS 【FAN Installation】
- 6 Space Support 3PCS 【M/B】
- 7 Stand-Off 6PCS 【M/B Installation】
- 8 Lock Bracket 【Side Panel】
- 9 SCW-KM 3*6 1PC 【Lock Bracket】
- 10 User's Manual 1PC
- 11 Warranty Registration Card 1PC



Best Service of Testing

Certificate of Compliance

Certificate Number : BST10120023ER-1

Applicant : Bytecom Fanner B.V.
Rondven 38, 6026 PX Maarheeze The Netherlands

Manufacturer : SPIRE SHENZHEN CORP.
FL7/8 Building B houhai Blvd Dongjiaotou Industrial
Park Shekou, Nanshan 518067 Shenzhen, China

Product : SWITCHING POWER SUPPLY
M/N : ATX-420W-PFC-PSU, ATX-420W-PFC-N-PSU,
OEM-ATX-400W-PFC, SP-ATX-550WDB-PFC-TH,
EE-ATX-350WT-PFC, EE-ATX-450WT-PFC,
EE-ATX-550WT-PFC,
EE-ATX-650WT-PFC
(Remark: "SP", "EE" "OEM", "B", "D" can be replaced by
letter from "A" to "Z" or "1" to "9" or be omitted.)

Test Standard : EN 55022:2006+A1:2007
EN 61000-3-2:2006+A2:2009
EN 61000-3-3:2008
EN 55024:1998+ A2:2003

The EUT described above has been tested by us with the listed standards and found in compliance with the council EMC directive 2004/108/EC. It is possible to use CE marking to demonstrate the compliance with this EMC Directive.

The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production. It is only valid in connection with the test report number: BST10120023ER-1.



Christina
Manager
Jul. 03, 2010

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Best Service of Testing

Certificate of Compliance

Certificate Number : BST10120023SC-2

Applicant : BYTECOM FANNER B.V.
Rondven 38, 6026 Px Maarheeze The Netherlands

Manufacturer : SPIRE SHENZHEN CORP.
FL7/8 Building B Houhai Blvd Dongjiaotou Industrial Park
Shekou, Nanshan 518067 Shenzhen, China

Product : SWITCHING POWER SUPPLY
M/N : ATX-420W-PFC-PSU, ATX-420W-PFC-N-PSU,
OEM-ATX-400W-PFC, SP-ATX-550WDB-PFC-TH,
EE-ATX-350WT-PFC, EE-ATX-450WT-PFC,
EE-ATX-550WT-PFC, EE-ATX-650WT-PFC
(Remark: "SP", "EE", "OEM", "B", "D" can be replaced by
letter from "A" to "Z" or "1" to "9" or be omitted.)

Test Standard : EN60950-1:2006+A11:2009

The EUT described above has been tested by us with the listed standards and found in compliance with the council LVD directive 2006/95/EC. It is possible to use CE marking to demonstrate the compliance with this LVD Directive.

The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production. It is only valid in connection with the test report number: BST10120023SR-2.



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RoHS Declaration of Conformity

Spire hereby declares under our sole responsibility that the product:



Part number: SP3205B-420W-PFC-HD

Description: Micro-ATX Case, 0.45mm SGCC, Spire logo on top bezel, no fan, HD Audio / duct. ATX-420W-PFC-PSU-1: 1* 20+4pin, 2* SATA, 1* FDD 4pin, 2* Molex 4pin, 120mm Silent Fan, CE/ROHS/PFC, 1.5M safety power cable.

Is tested and approved in compliance with the EUROPEAN COUNCIL ROHS DIRECTIVE.

(Restriction of Hazardous Substances) which will restrict the use of certain substances in electrical and electronic products: including lead (Pb), mercury, cadmium, hexavalent chromium, and certain halide-containing flame retardants. The directive applies to all electrical and electronic products, their component parts that are placed on the market after July 1, 2006.

Spire Coolers Corp.
PM Engineering Dept.

Nanshan, Shenzhen

