

The SySTIUM® Model 555E is a mid-tower enclosure that can accommodate a full size ATX motherboard with seven full-length expansion slots. Constructed of high quality materials to provide a “Brand Name” look and feel, the Model 555E provides five external 5.25” drive bays with an additional two 3.5” external bays for maximum peripheral configuration. Additionally, there are three 3.5” HDD internal bays for high capacity storage requirements. One of the external 3.5” drive bays can be fitted with the optional Front Panel I/O kit to provide 2 USB, mic, and speaker out. Long term availability and flexible configurability make the Model 555E the perfect choice.

Specifications:

• Motherboards:	ATX, uATX, & ITX		
• Power Supply:	450W 80PLUS Bronze PSU-PFC		
• Drives: External	5 - 5.25". 2 - 3.5"		
• Drives: Internal	3 - 3.5" Drive Bay		
• Add in Cards:	7 - Expansion Slots, Full Height, Full-Length		
• Cooling:	1- Rear 120mm fan, 1 - Optional Front 120mm fan		
• Control Panel:	Power Switch, Reset Switch (Option 2x USB/ Audio Module)		
• Front Panel Indicators:	Power & HDD status LEDs		
• Unit Dimensions:	<u>H</u>	<u>W</u>	<u>D</u>
<u>Weight</u>	16.93" (430mm)	7.87" (200mm)	19" (483mm)
<u>w/packaging</u>	24.37" (618mm)	12.63" (321mm)	24" (610mm)

- **Certifications:** RoHSII, REACH, CE, FCC, CSA when integrated in accordance with the SySTIUM license agreement.
- **Certified Motherboards:** Advantech®, BCM®, ITOX®, Intel®, RadiSys®

Visit www.systium.com for complete list of agency approved motherboards

Finish

Black
55500E-00R

Cool Gray
55501E-00R



Customiz-it!

Systium's "Customiz-it" allows you to make the Model 555 work for YOU

•Color •Logo •Silk Screens •Laminates •Cables •Cutouts •Packaging •Bulk

Contact Systium Sales for more information, (763) 537-3600 x208

Customiz-it!

SySTIUM® Power Supply

450W, PFC, 80PLUS

SySTIUM® Technologies Power Supplies are made for embedded applications requiring certifications and long life. We understand the critical function power supplies provide. Our Standards of Excellence are stringent; 24/7/365 for 5 years.

SySTIUM® Technologies is your trusted source for Power Supplies.



FEATURES

- SFX Form Factor (Fits ATX as well)
- Midpoint cable connect allows custom cable configurations
- Active Power Factor Correction (PFC)
- High efficiency and reliability
- Low Noise and Ripple
- Output over voltage, short circuit, and over power protection
- Reset after shutdown
- Super low noise fan control
- Internal Fan, 80X15mm 12VDC
- 100% Hi-pot test
- 100% burn-in, high temperature cycled on/off

EMC:

Complies to EN55022:2010 CLASS B, FCC Part 15 & Part 2, CISPR22 Class B

SAFETY:

UL, CCC, BSMI, NEMKO, IEC60950, UL60950, CE

LONG LIFE
QUALITY

EMBEDDED
CERTIFIED

Power Supply

450W, PFC, 80PLUS

OUTPUT VOLTAGE AND CURRENT RATING

Output Voltage	Min. Load	Normal Load	Max. Load	Peak	Load Reg.	Line Reg.	Ripple & Noise
+3.3V	0.1A	10.5A	21A		± 5%	± 1%	70mV P-P
+5V	0.2A	11A	22A		± 5%	± 1%	70mV P-P
+12V1	0.1A	9A	18A		± 5%	± 1%	140mV P-P
+12V2	0.5A	9A	18A	19A	± 5%	± 1%	140mV P-P
-12V	0.0A	0.25A	0.5A		± 10%	± 1%	140mV P-P
+5Vsb	0.0A	1.25A	2.5A	3A	± 5%	± 1%	70mV P-P

1. +3.3V & 5V total output not to exceed 120W
2. Total output continuous shall not exceed 450W watts.
3. +12V2 Peak current is 19A (less than 10m Sec.) min voltage during peak is >10.8Vdc.
4. 5Vsd Peak current is 3A (less than 500m Sec.) minimum voltage during peak is >4.5Vdc.

SPECIFICATIONS

Wattage: 450W

Input Voltage Range: 90 ~ 264Vac (RMS), Full Range Input

Hold-up Time: 24mSec 115V & 230V

Power Factor Correction: 99% typical

Frequency: 47 ~ 63Hz

Input Current: 115V@<5.5Arms, 230V@<3.0Arms

Dimensions

- Length: 100mm (3.9")
- Width: 125mm (4.9")
- Height: 64mm (2.5")

ENVIRONMENTAL REQUIREMENTS

Temperature:

-Operating: 0°C ~ +50°C

-Storage & Shipping: -20°C ~ +80°C

Humidity:

-Operating: 5 ~ 95% RH, Non-condensing

-Storage: 5 ~ 95% RH, Non-condensing

MTBF: 100,000 hours @ Typical load at +25°C

Note: excluding DC fan

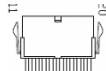
80PLUS: BRONZE

- Efficiency: 85% at typical load (AC 115V)
- Standby Power Consumption: <1W@5Vsb/100mA
- Erp Lot: <0.5W

Power Supply

450W, PFC, 80PLUS

CONNECTORS- BASE

1X	20pin + 4pin	
2x	4/8pin 12V(2x2 or 2x4)	
1x	20pin Midpoint	

CONNECTORS- STANDARD (Attached at 20pn Midpoint)

3x	SATA	
3x	SATA	
2x	4pin Power, Peripheral	
2x	4pin Power, Peripheral	
1x	2x3 6pin Graphics	