



REAL GEAR FOR REAL GAMERS

# STX



STX 350 / 450 / 550 / 650

## Features

- **EXTREMELY HIGH EFFICIENCY**  
Up to 85% of efficiency.
- **COMPATIBLE WITH THE LATEST PC-TECHNOLOGY**  
Created for use with current and next-generation multi-core CPU platforms.
- **SUPPORT MULTI-GPU TECHNOLOGY**  
Supports PCI Express 2.0 next-generation graphics cards with 8(6+2) pin PCI-E connector.
- **ULTRA-QUIET & TEMPERATURE-CONTROLLED 120mm FAN**  
Extremely Low Noise Level, fan speed automatically regulated according to the temperature.
- **INTEGRATED AIR INLET DESIGN**  
Optimal aerodynamic design that provides more silent operation.
- **ACTIVE POWER FACTOR CORRECTION (ACTIVE PFC)**  
PF value up to 99%, provides clean and reliable power.
- **COMPLIANT WITH THE LATEST EU-GUIDELINES**  
Energy consumption in Standby is < 0.5W.
- **FULL PROTECTIONS WITH SCP, OCP, OVP, UVP, OPP**



Specifications

Rating

Model Name	AC input	DC output					
		+3.3V	+5V	+12V	-12V	+5Vsb	Total
STX350	200-240V~ 50Hz 4A	21A	15A	28A	0.3A	3A	350W
		103W		336W			
STX450		24A	15A	35A	0.3A	3A	450W
		120W		420W			
STX550	200-240V~ 50Hz 5A	24A	20A	43A	0.3A	3A	550W
		120W		516W			
STX650		24A	20A	52A	0.3A	3A	650W
		130W		624W			

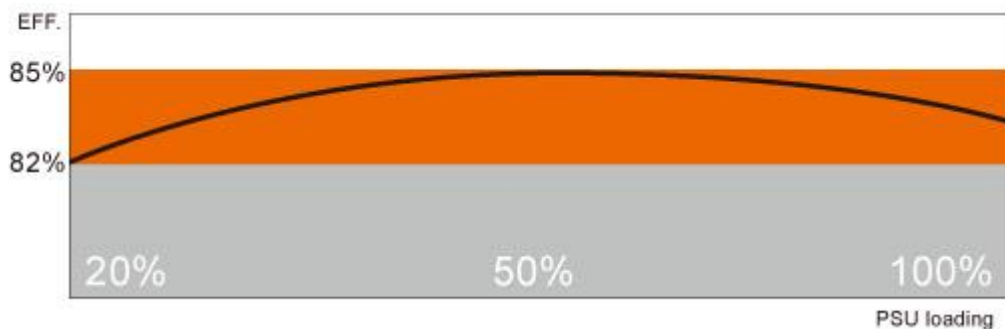
Connectors

Connector	Main	CPU	Peripheral	SATA	PCI-E
Pin	24(20+4) Pin	8(4+4) Pin	4 Pin	5 Pin	8(6+2) Pin
STX350	1	1	3	4	1
STX450	1	1	3	4	2
STX550	1	1	3	6	2
STX650	1	1	3	6	2



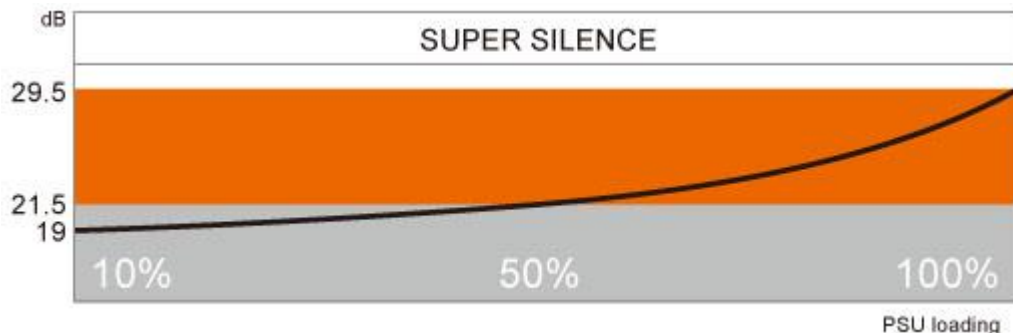
## Efficiency

### HIGH EFFICIENCY : Up to 85% efficiency



### TEMPERATURE : CONTROLLED FAN

#### Fan speed automatically governed based on the temperature



## PSU Protection

- **UVP (Undervoltage protection)**

If the voltages fall below a certain tolerance value on the single lines, the PSU automatically switches off.

- **OVP (Overvoltage protection)**

If the voltages increase above a certain tolerance value on the single lines, the PSU automatically switches off.

- **SCP (Short-circuit protection)**

In the case of a short-circuit this feature prevents damage to the core components of the PSU and its system components.

- **OPP (Overload protection)**

If the system is oversized and requires more power from the PSU than it can perform, this protection function is activated.

- **OCP (Overcurrent protection)**

If the current on a single line is higher than indicated, the PSU automatically switches off.



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## Cable Length & Arrangement

Connectors		350W	450W	550W	650W
Main	<p>20 Pin } 24 Pin 4 Pin } 600 mm</p>	✓	✓	✓	✓
CPU	<p>4 Pin } 8 Pin 4 Pin } 650 mm</p>	✓	✓	✓	✓
PCI-E	<p>6 Pin } 8 Pin 2 Pin } 120 mm 2 Pin } 8 Pin 6 Pin } 600 mm</p>	-	✓	✓	✓
PCI-E	<p>6 Pin } 8 Pin 2 Pin } 600 mm</p>	✓	-	-	-
HDD+FDD	<p>4 Pin 120 mm 4 Pin 120 mm 4 Pin 120 mm 4 Pin FDD 500 mm</p>	✓	✓	✓	✓
SATA	<p>120 mm 500 mm</p>	-	-	2x	2x
SATA	<p>120 mm 500 mm</p>	2x	2x	-	-

## Safety certification

