

## Specification:

Intel Specifications		ATX12V / EPS12V
Dimensions	400 / 460 / 560 / 660 / 760 / 850W	L 160 x W 150 x H 86mm
	1000 / 1200W	L 180 x W 150 x H 86mm
Efficiency		80 PLUS® Gold / Energy Star compliant
Protection Features		OPP / OVP / UVP / SCP / OCP / OTP
Hazardous Materials		WEEE / RoHS
AC Input Range		Full Range: 100 ~ 240 Vac (Max. 90 ~ 264 Vac)

## Power Distribution:

Model	+3.3V	+5V	+12V	-12V	+5Vsb	Total Power
X-400FANLESS	20A	20A	33A	0.5A	2.5A	400W
	100W		396W	6W	12.5W	
X-460FANLESS	20A	20A	38A	0.5A	2.5A	460W
	100W		456W	6W	12.5W	
X-560	25A	25A	46A	0.5A	3A	560W
	125W		552W	6W	15W	
X-660	25A	25A	54A	0.5A	3A	660W
	125W		648W	6W	15W	
X-760	25A	25A	63A	0.5A	3A	760W
	125W		756W	6W	15W	
X-850	25A	25A	70A	0.5A	3A	850W
	125W		840W	6W	15W	
X-1000	25A	25A	83A	0.5A	3A	1000W
	125W		996W	6W	15W	
X-1200	25A	25A	100A	0.5A	3A	1200W
	125W		1200W	6W	15W	

## Wire Configuration:

Cable	Main Power (20 / 24P) 600mm	EPS12V / ATX12V (8P / 4P) 650mm	EPS12V (8P) 650mm	PCI-E (6P / 8P) 600mm	SATA	Peripheral (4P)	FDD(4P) (Y-adapter)
Model							
X-400FANLESS	1	1	0	1	5	5	2
X-460FANLESS	1	1	0	2	5	5	2
X-560	1	1	0	2	8	5	2
X-660	1	1	0	4	8	5	2
X-760	1	1	1	4	8	8	2
X-850	1	1	1	4	8	8	2
X-1000	1	1	1	6	11	8	2
X-1200	1	1	1	6	11	8	2

## Safety:



specification may change without prior notice

Green Innovation Powers Your Life



**X-SERIES**  
Advanced DC Power Conversion Technology  
for Ultimate Performance



560 / 660 / 760 / 850W

**Fanless**  
400 / 460W

1000 / 1200W

Power and Performance from The Inside Out



## X Series- Fanless 400 & 460 watts — For silent running.



Silence defines the X-400 & the X-460 power supplies. Taking advantage of the benefits derived from the 80 PLUS® GOLD level of efficiency and the use of high-grade components, these power supplies run cool and run silent, perfect for your Home Theatre PC (HTPC) and other applications where "silence is golden".

## X Series- 560, 660, 760 & 850 watts — For performance and efficiency enthusiasts



Versatility best describes these mid range power output 80 PLUS® GOLD certified power supplies. These Fully Modular units provide enough juice to run just about any system configuration you build. Manufactured with top-grade components such as the Sanyo Denki - San Ace fan, governed by Sea Sonic's Semi-passive Hybrid Silent Fan control, these units will just keep on working day in and day out.

660/760/850W will be available in Q4 2010

## X Series- 1000 & 1200 watts — For high-end and gaming application



Power; is what the 1000 & 1200 watts units are all about. For the serious PC enthusiasts with super power hungry systems, the LLC, DC-DC converter based technology, used in all X series, provides the maximum 12V DC output to support any high-end system on the market today. Only top-quality components are used in order to achieve the high level of 80 PLUS® GOLD

certified efficiency and combined with a Sanyo Denki fan controlled by Sea Sonic's Semi-passive Hybrid Silent Fan control, the 1000 & 1200 watts X series are the power supplies to use for your ultimate systems.

1000/1200W will be available in Q4 2010



### 80 PLUS® GOLD Certified

80 PLUS® GOLD certification in combination with our corporate slogan "Green Innovation Powers Your Life", defines Sea Sonic's commitment to the design and production of the most eco-friendly power supplies on the market today with the X series as the market leader.



### Seasonic Patented DC Connector Panel with Integrated Voltage Regulation Module \*

Seasonic patented full modular design minimizes voltage drops and impedance and maximizes efficiency and cooling and enhances overall performance and reliability.

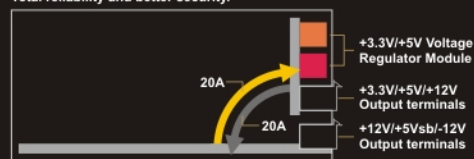
\* Patent Pending : US, CN, JP, TW & DE

#### Benefits

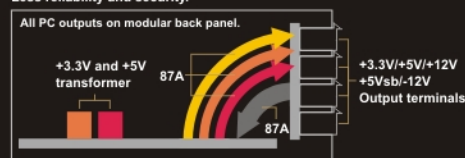
- Minimizes line resistance and voltage drops to maximize efficiency.
- Reduces overall component count to better space utilization for optimal air flow, heat dissipation and cooling.
- Extensive use of SMD technology for overall quality and reliability improvement.
- Simple and ingenious design for a "clean" layout to achieve unsurpassed quality and performance.



Seasonic X Series Patented Design  
Lower current, lower loss and higher efficiency.  
Total reliability and better security.



Traditional Modular Design  
Higher current, higher loss and lower efficiency.  
Less reliability and security.



### DC to DC Converter Design

Provides superior dynamic response, greater system stability and maximize the 12VDC rail output.



### Seasonic Hybrid Silent Fan Control \*

(For X-560, X-660, X-760, X-850, X-1000, X1200)

An industry first, advanced 3 phased thermal control balances between silence and cooling. The Hybrid Silent Fan Control provides 3 operational stages: Fanless, Silent, and Cooling Mode.

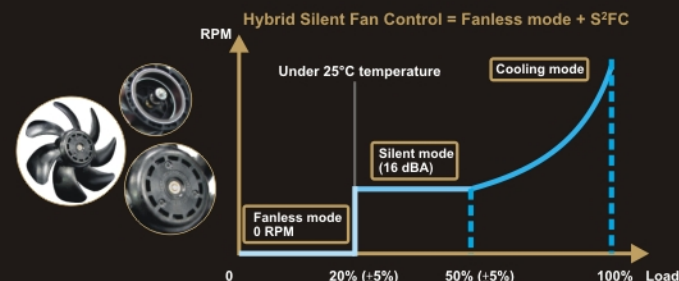
\* Patent pending: US, CN, JP, TW, DE



### Sanyo Denki - San Ace Silent Fan

(For X-560, X-660, X-760, X-850, X-1000, X1200)

The world-renowned Sanyo Denki ball bearing fans are made of the highest quality components to ensure maximum quality and performance. The use of spoon shaped high-density plastic fan blades with smoothed leading edges, strict tolerance ball bearings and precision copper axel are just some features to ensure ultra low noise performance and quality. In addition, the fan uses 3 balancing points, instead of the industry standard of 2 points, to ensure perfect balance and rotation. The Sanyo Denki fan is a perfect match to the class leading Sea Sonic Hybrid Silent Fan control for the absolute top performance of the industry.



#### Benefits:

- Reduces noise without increase in temperature.
- Extends fan life by eliminating unnecessary rotation.
- Optimizes heat dissipation at all times.
- Fanless mode (0 dBA) provides unsurpassed silent performance.



### High Current Gold Plated Terminals

Reduces current transmission resistance for increased efficiency.



### High Reliability 105°C Grade A Capacitors

Built with top level Japan sourced components which translates to extended product life.



### Conductive Polymer Aluminum Solid Electrolytic Capacitors

Ensures operation stability at extreme conditions.



### Multi-GPU Technologies Supported

6Pin & 8Pin PCI-E connectors to support all GPU platforms.



### 5 Years Warranty

Our commitment to superior quality.

