RS

RS 300 / 350 / 400 / 450 / 550 / 650 / 750

Features

- 80-PLUS® CERTIFICATION
  Up to 85% of efficiency
- COMPATIBLE WITH LATEST PC-TECHNOLOGY
  Created for usage with current and next-generation multi-core CPU platforms
- SUPPORT MULTI-GPU TECHNOLOGY
  Support PCI Express 2.0 next-generation graphic card with 6pin or 8(6+2)pin PCI-E connector
- ULTRA-QUIET & TEMPERATURE-CONTROLLED 120mm FAN
  Extremely Low Noise Level, fan speed automatically governed based on the temperature
- INTEGRATED AIR INLET DESIGN
  Optimal air-dynamical design, lead to more silent operation
- DYNAMIC DUAL-12V
  Provide high voltage stability to keep components safe
- ACTIVE POWER FACTOR CORRECTION (ACTIVE PFC)
  PF value up to 99%, provides clean and reliable power
- COMPLIANT WITH ErP Lot 6
  Energy consumption in Standby is < 0.5W, compliant with economy-friendly electrical equipment
- SUPPORTS THE ENERGY STAR
- FULL PROTECTIONS WITH OCP, SCP, OVP, UVP, OPP

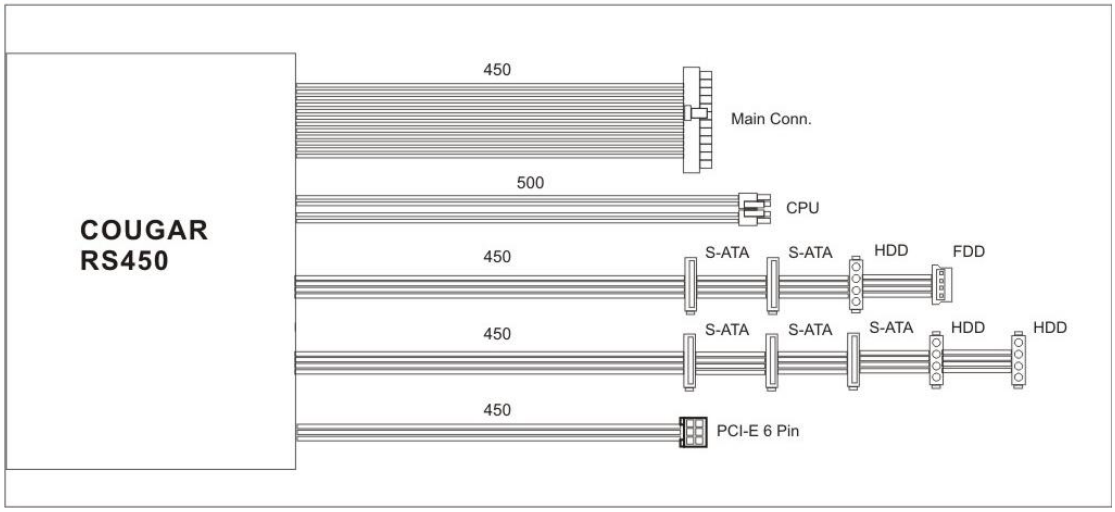
Specifications

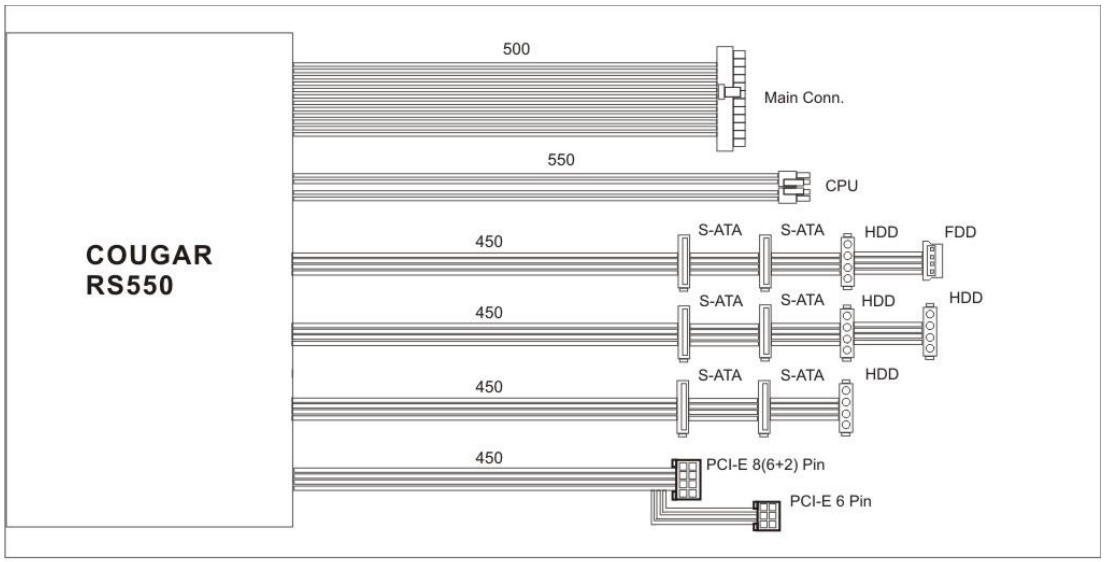
Rating

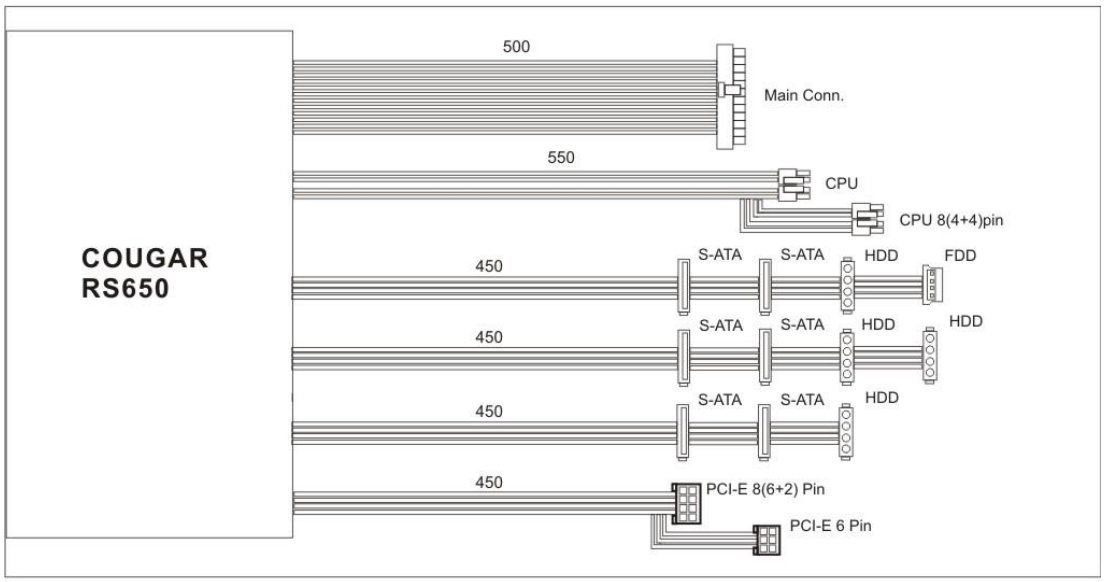
Item Name	Input Characteristics			Output Characteristics						
	Voltage	Frequency	Input Current	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb	Total Output
RS 450 CGR R-450	100-240Vac	50-60Hz	8A	24A	15A	26A	20A	0.3A	3A	450W
				120W		420W				
RS 550 CGR R-550	100-240Vac	50-60Hz	10A	24A	20A	28A	22A	0.3A	3A	550W
				120W		516W				
RS 650 CGR R-650	100-240Vac	50-60Hz	10A	24A	20A	30A	24A	0.3A	3A	650W
				130W		624W				
RS 750 CGR R-750	100-240Vac	50-60Hz	10A	24A	20A	30A	30A	0.3A	3A	750W
				150W		672W				

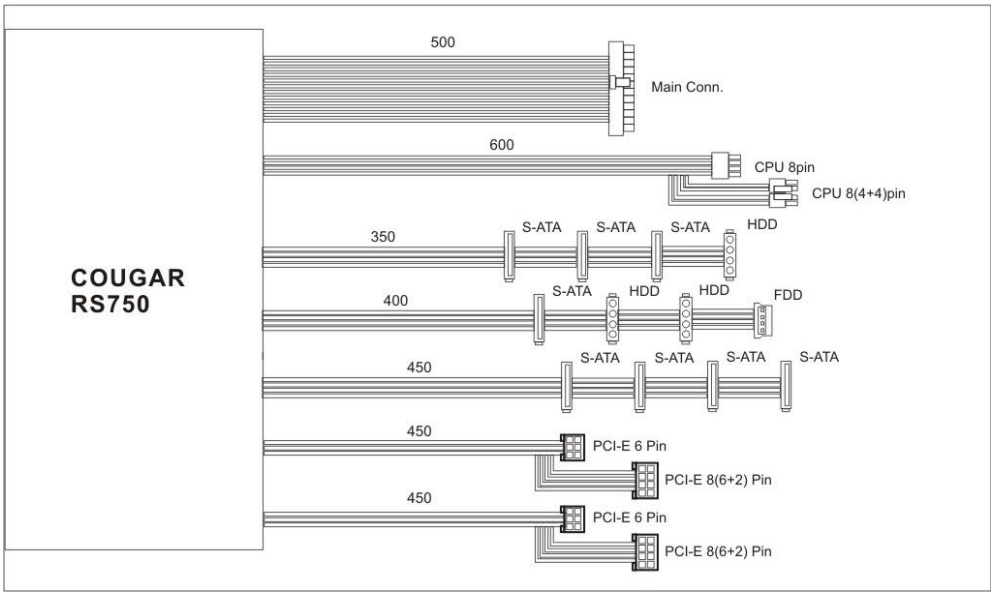
Connectors

Model	Main Connector	CPU Connector	Floppy Connector	Peripheral Connector	S-ATA Connector	PCI-E Connector	PCI-E 6+2pin
Pin	24(20+4) Pins	8 (4+4) Pins/ 8 Pins	4 Pins	4 Pins	5 Pins	6 Pins	8(6+2) Pins
RS 450	1	1 / 0	1	3	5	1	0
RS 550	1	1 / 0	1	4	6	1	1
RS 650	1	1 / 1	1	4	6	1	1
RS 750	1	1 / 1	1	3	8	2	2


COUGAR
RS450
450
Main Conn.
500
CPU
450
S-ATA
S-ATA
HDD
FDD
450
S-ATA
S-ATA
S-ATA
HDD
HDD
450
PCI-E 6 Pin


COUGAR
RS550
500
Main Conn.
550
CPU
450
S-ATA
S-ATA
HDD
FDD
450
S-ATA
S-ATA
HDD
HDD
450
S-ATA
S-ATA
HDD
450
PCI-E 8(6+2) Pin
PCI-E 6 Pin


COUGAR
RS650
500
Main Conn.
550
CPU
CPU 8(4+4)pin
450
S-ATA
S-ATA
HDD
FDD
450
S-ATA
S-ATA
HDD
HDD
450
S-ATA
S-ATA
HDD
450
PCI-E 8(6+2) Pin
PCI-E 6 Pin



Safeties

- UVP (Under-voltage protection)

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

- OVP (Over-voltage 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 (Over-current protection)

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

Safety & EMI certified

E199442

R63088