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PRIME ULTRA PLATINUM

Power. Performance. PRIME Ultra.

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PRIME Ultra 1000 Platinum ▼

PRIME ULTRA PLATINUM

Its ultra-high efficiency and outstanding performance are the fine results of Seasonic's continuous commitment to innovation and advancement. Improved low-load efficiency, highly suppressed ripple noise and a generous 12-year manufacturer's warranty are just some of the characteristics that set these series apart from other power supplies on the market.

ATX 12 V

Fully Modular

80 PLUS Platinum Certified

12 Years Warranty

Dimensions: 170 mm (W) x 150 mm (L) x 86 mm (H)

Dimensions: 140 mm (W) x 150 mm (L) x 86 mm (H)



[USER MANUAL \(/PUB/MEDIA/PDF/CONSUMER/USER-MANUAL/PRIME-ULTRA-PLATINUM/CONSUMER/DATASHEET/\)](#)

[WATTAGE CALCULATOR \(/WATTAGE-CALCULATOR\)](#)

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OVERVIEW

NEW IN PRIME ULTRA

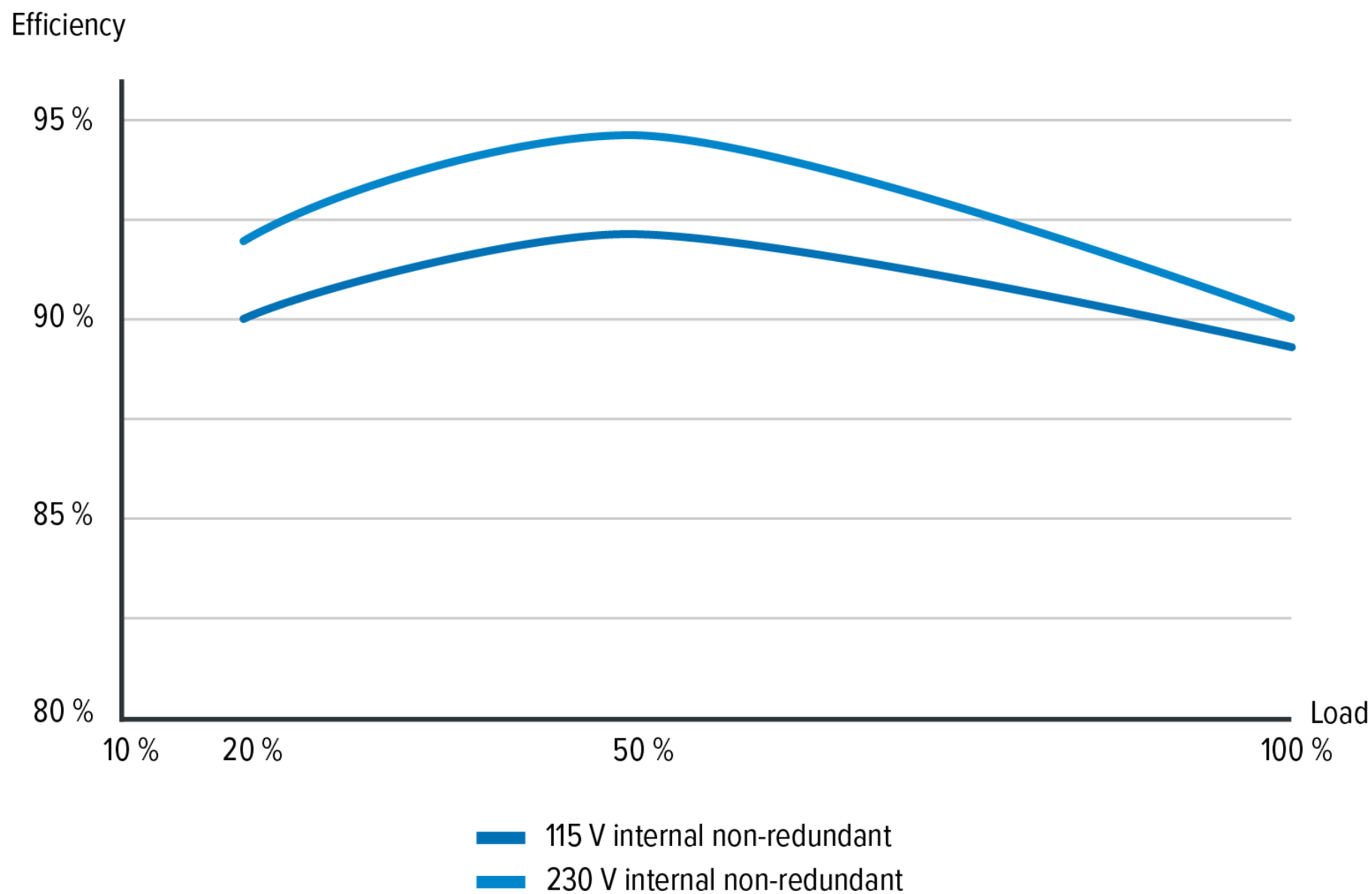
Seasonic has included a PSU tester in the box that will let consumers perform a quick and easy jump start on the power supply. Each PRIME Ultra Series power supply will also ship with a SATA 3.3 adapter to support the “Power Disable” (PWDIS) feature of the newer, high-capacity hard drives. The inline capacitors on the cables were removed, which takes away the bulkiness inside the system. To maximize flexibility, the 180-degree SATA connectors ensuring more flexibility and easier installation.

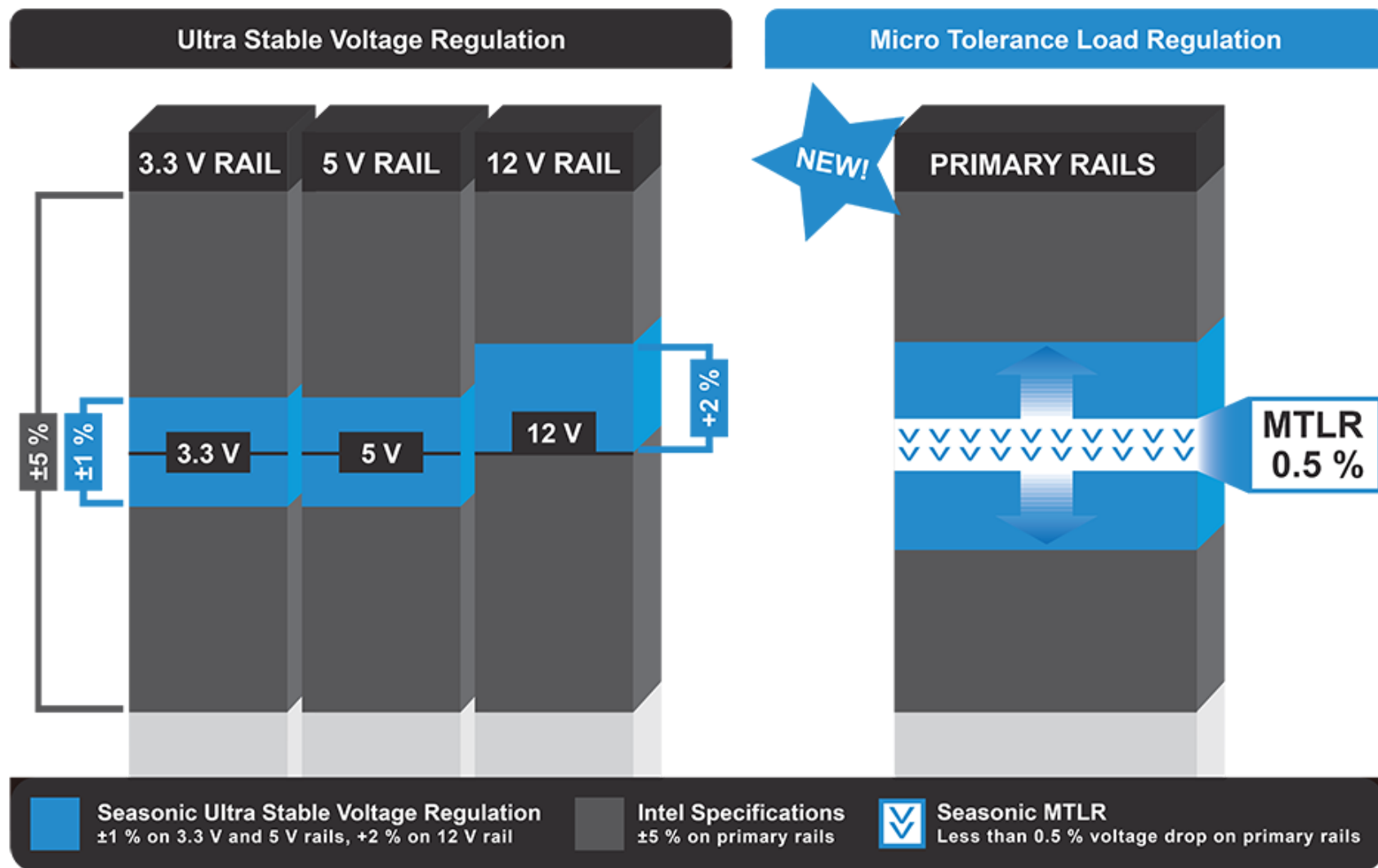




80 PLUS[®] PLATINUM

The PRIME Platinum Series achieves 80 PLUS[®] Platinum certification with its 92 % efficiency at 50 % system load.

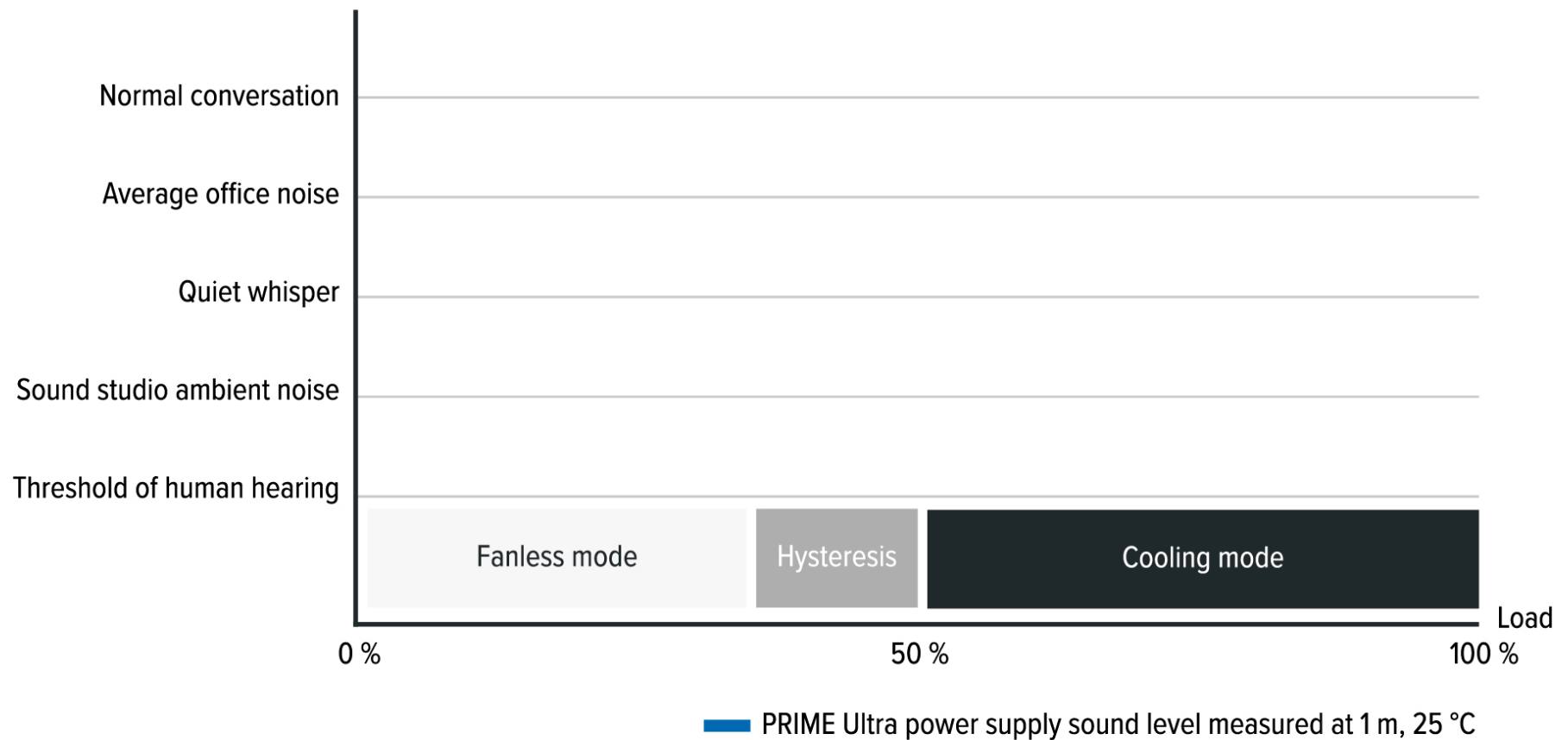




MICRO TOLERANCE LOAD REGULATION

Seasonic's latest design keeps the output voltage within a very tight range, achieving under 0.5 % load regulation. This impressive electrical performance and stability makes this power supply an ideal choice for high-performance systems.





PREMIUM HYBRID FAN CONTROL

Seasonic's vast experience in designing the most silent and efficient power supplies on the market was translated into the development of Hybrid Mode; a state-of-the-art fan control that enables users to keep the overall fan noise at the lowest possible level.

FLUID DYNAMIC FAN BEARING

High performance Fluid Dynamic Bearing (FDB) fans are designed to take advantage of the impact absorbance effects of oil. They are extremely reliable and generate considerably less operating noise and heat than ball bearing fans. The lubrication of the bearing surface reduces friction and vibration and therefore lowers overall power consumption. Due to the effortless, quieter rotations and its robust construction, this reliable fan technology also greatly increases the lifespan of the fan.

HOW IT WORKS

When the fan shaft rotates, high pressure oil drifts along the grooves of the bearing sleeve to generate a thin layer of lubrication between the bearing faces. As the speed increases, so does dynamic oil pressure and the shaft is lifted from the bearing to create smooth, effortless rotations. The herringbone shape of the grooves helps to efficiently channel the lubricant and avert leakage.



CABLE-FREE CONNECTION DESIGN

Seasonic's engineers have implemented a new design feature, where instead of cables; the back panel and the PCB (Printed Circuit Board) are connected by a copper plate. This breakthrough solution not only lowers the chance of production errors during manual insertion but it also improves output power quality.



FEATURE SUMMARY

80 PLUS® Platinum certified

Micro Tolerance Load Regulation (0.5 %)

Cable-free Connection Design

Premium Hybrid Fan Control - Fanless until 40 % load

Multi-GPU setup

Gold plated connectors

12 years warranty

GALLERY

SPECIFICATIONS




SSR-1000PD (ULTRA)




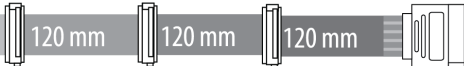


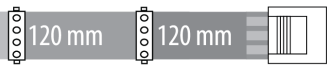


Technical Specifications		
80PLUS®		Platinum
Cybenetics Efficiency Level		TBA
Cybenetics Noise Level		TBA
Form Factor		Intel ATX 12 V
Dimensions		170 mm (W) x 150 mm (L) x 86 mm (H)
Fan Information	Fan Size	135 mm
	Fan Control	Premium Hybrid Fan Control
	Fan Bearing	Fluid Dynamic Bearing
	Life Expectancy	50,000 hours at 40 °C, 15 % - 65 % RH
Cable Information	Modularity	Fully Modular
	Cable type	Flat black cables
Electrical Features	Operating Temperature	0 - 50 °C (derating from 100 % to 80 % from 40 °C to 50 °C)
	MTBF @ 25 °C, excl. fan	150,000 hours
	AC Input	Full Range
	Protection	OPP, OVP, UVP, OCP, OTP, SCP
Safety and Environmental	Safety and EMC	cTUVus, TUV, CB, CCC, BSMI, EAC, CE
	Environmental Compliance	Energy Star, RoHS, WEEE, ErP Lot 6, REACH
Warranty		12 Years

Power Output						
AC Input	Voltage: 100 V - 240 V					
	Current: 13 - 6.5 A					
	Frequency: 50 Hz - 60 Hz					
DC Output	Rail	+3.3 V	+5 V	+12 V	-12 V	+5 VSB
	Maximum Power	25 A	25 A	83 A	0.3 A	3 A
		100 W		996 W	3.6 W	12.5 W
	Total continuous power	1000 W				

CABLES

SSR-1000PD

Connector	Connector count	Cable count	Cable
Main Power (24/20 pins)	1	1	610 mm 
CPU (8/4 pins)	2	2	650 mm 
PCIe (8/6 pins)	8	0	750 mm 

		4	675 mm 
SATA	12	0	450 mm 
		1	350 mm 
		2	400 mm 
		0	350 mm 
		0	300 mm 
Peripheral	5	1	450 mm 
		1	350 mm 
Floppy	1	1	101 mm 

Specifications are subject to change without prior notice.

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