Producing Legendary Power

The P250II, part of the PII PSU series, capable of delivering up to 2500 watts of power at 200-240V input voltage. Specifically designed for AI PCs and workstations, it provides highly efficient and stable power, making it ideal for AI-intensive computing, extended operation, or 24/7 workstation demands.

@100-240Vac	1350W
@115-240Vac	1650W
@200-240Vac	2500W

The P250II provides three output power levels depending on the input voltage.
*Please note: Output power must comply with the requirements of the corresponding input voltage.

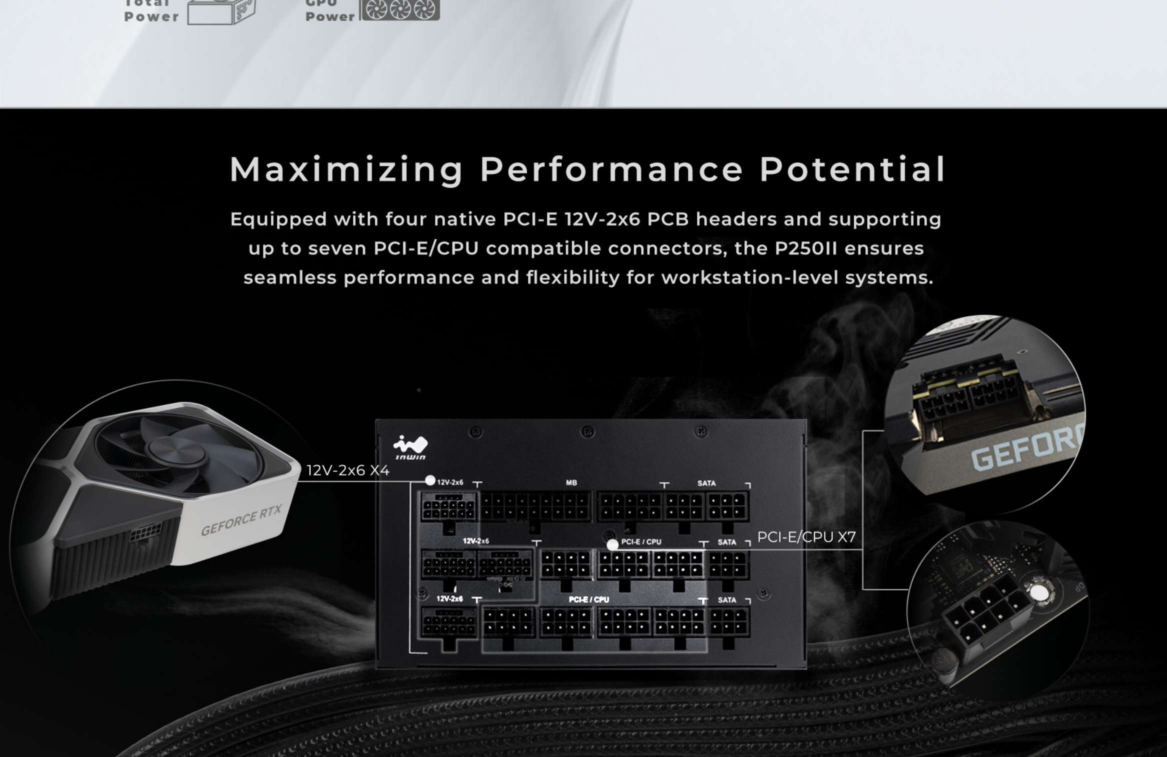
ATX3.1 & PCI-E 12V-2x6 Ready

The P250II Series meets the newest generation of Intel's Power Supply Design Guide (PSDG), ATX 3.1. The PSU includes PCI-E 12V-2x6, 16-pin connector with high-quality 16 AWG cable. It delivers up to 600W of power output and is ready for all high-performing graphics cards.

2X Total Power
3X GPU Power

Maximizing Performance Potential

Equipped with four native PCI-E 12V-2x6 PCB headers and supporting up to seven PCI-E/CPU compatible connectors, the P250II ensures seamless performance and flexibility for workstation-level systems.



Fully Modular Ductile Cables

The P250II feature modular and embossed ductile cables. With their high flexibility and easy bending, cable management becomes straightforward and effortless.

Smart Temperature Control Cooling System

System Load < 20%
System Load > 20%

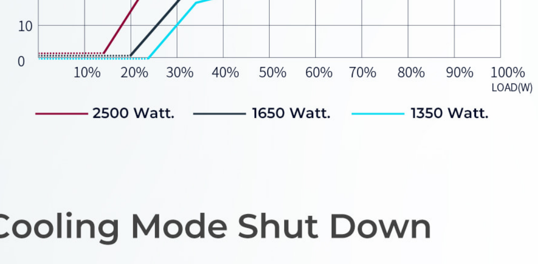
Zero Fan Mode

When ZERO FAN mode is activated, the fan will automatically enter hibernation mode once the system's load falls below the set threshold, ensuring the PSU's stability and noise levels. The fan will start rotating when the system's load exceeds 15% to 25%, depending on the total output variation.

Cooling Mode

When the system load exceeds 15% to 25%, the fan will automatically maintain optimal cooling.

* The system load varies based on the total output power.



Cooling Mode Shut Down

When the system is shutting down, the fan will continue to operate for 60 seconds to effectively remove residual heat.

Double Ball Bearing Fan

The industrial-grade 135 mm dual-ball bearing fan enhances overall performance, maximizes system efficiency while improving product stability and extending lifespan.

Highly Reliable Japanese Aluminium Electrolytic Capacitor

5V and 3.3V DC-DC Design

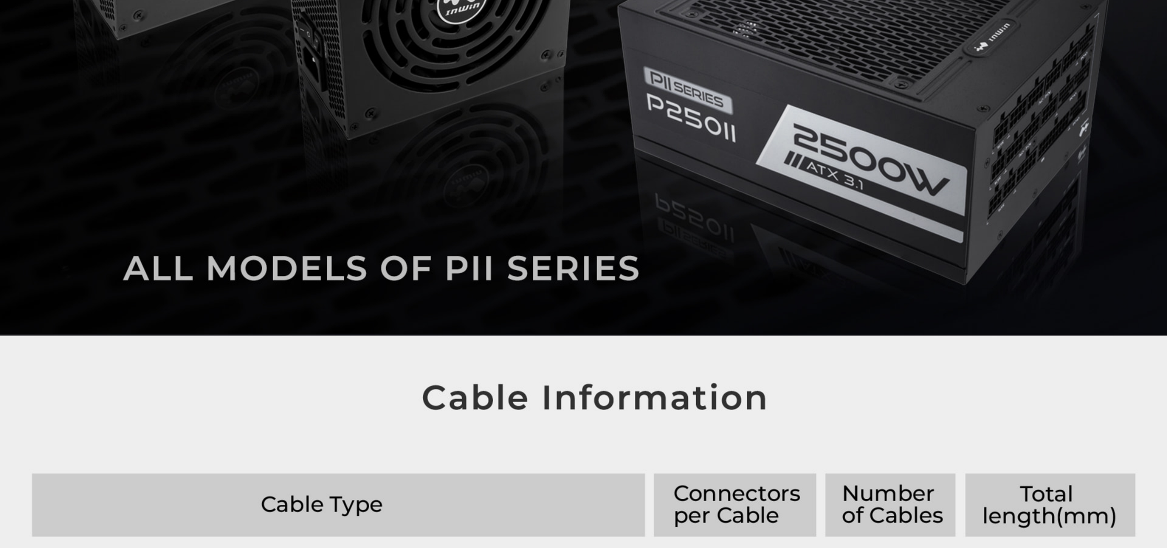
OCP Over Current	OTP Over Temperature	OVP Over Voltage
OPP Over Power	UVP Under Voltage	SCP Short Circuit

Multi-Protection Safeguards

80 PLUS PLATINUM 230V EU
10 YEARS Warranty

230V EU® Platinum Plus a 10-Year Warranty

The P250II is 230V EU® Platinum certified, offering up to 92% power efficiency and reduced waste heat, ensuring optimal temperatures and extended component lifespan. Backed by InWin's 10-year warranty, it guarantees reliable performance.



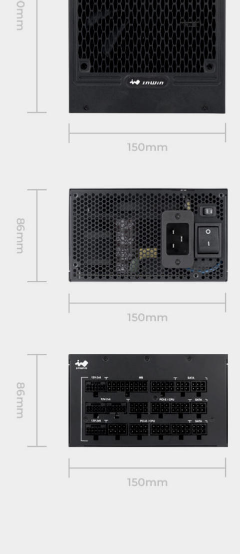
ALL MODELS OF PII SERIES

Cable Information

Cable Type	Connectors per Cable	Number of Cables	Total length(mm)
Motherboard 24 Pin	1	1	600
CPU 8 (4+4) Pin	1	3	700
PCIe 8 (6+2) Pin	1	4	700
PCIe 12V-2x6	1	4	700
Peripheral 4 Pin	3	2	850
SATA	3	2	850

Specifications

Model	P250II
Model Number	IW-PS-PII2500W
Total Power	2500W@200-240Vac 1650W@115-240Vac 1350W@100-240Vac
Materials	SECC
Type	ATX12V V3.1
Cable Management	Fully Modular
PFC	Active PFC (> 0.95)
Efficiency	80 PLUS® 203V EU Platinum (Up to 92%)
MTBF (Hours)	>100,000 hrs.
AC Input	100-240Vac., 15-20A, 50-60Hz
Fan	135 mm Double Ball Bearing Fan
Typical Load Fan Noise (dBA) (50% Loading)	< 25 dB(A)
Operating Temperature Range (°C)	0 - 50°C
Full Protection	OCP / OVP / UVP / SCP / OTP / OPP
Safety Certifications	cTUVus / TUV / CB / CE / FCC / EAC / RCM / BSMI / UKCA
Product Dimensions (L x W x H)	200 x 150 x 86 mm
Package Dimensions (L x W x H)	395 x 245 x 105 mm
Net Weight	4.1 kg / 9.02 lb
Gross Weight	4.7 kg / 10.34 lb
Warranty	10 Years



* InWin products comply with RoHS regulations.
* Specifications may vary based on different regions.

Modelo		+12V	+5V	+3.3V	-12V	+5VSB	Total Power
	AC INPUT						
	DC OUTPUT	100-240Vac, 20-15A, 50-60Hz					
P250II	Max. Output Current	208.3A	22A	22A	0.5A	3A	2500W@200-240Vac 1650W@115-240Vac 1350W@100-240Vac
	Max. Combined Power	2500W	120W		6W	15W	