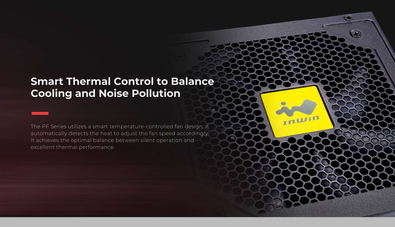
High-Performance Without Compromise

The PF Series is an 80 PLUS® Gold certified power supply with up to 90% efficiency. It features a powerful single +12V rail design and multi-protection safeguards, which can provide reliability and great performance for high-end components. The PF Series offers high-performance without compromise, a great option for budget builds.

80 PLUS® Gold Certified for High Efficiency

The PF Series is an 80 PLUS® Gold certified power supply that delivers up to 90% conversion efficiency which can generate less heat, effectively lowering energy consumption and noise.



Smart Thermal Control to Balance Cooling and Noise Pollution

The PF Series utilizes a smart temperature-controlled fan design. It automatically detects the heat to adjust the fan speed accordingly. It achieves the optimal balance between silent operation and excellent thermal performance.

Single Rail +12V

Single +12V Rail Design

Powerful single +12V rail design supplies strong and reliable energy to high-performing components.

DC → DC
DC to DC Design

5V and 3.3V DC to DC Design

Equipped with 5V and 3.3V DC to DC converter design, the PF Series provides a superior dynamic response, and supports a foundation for greater system stability.

Multi-Protection Safeguards

The PF Series comes with plenty of safeguards against over-currents, over-and-under voltages, short circuits, over-heating and over-power. These precautions are to ensure quality and safe power usage.

- OCP — Over-Currents
- OVP — Over-Voltages
- UVP — Under-Voltages
- SCP — Short Circuits
- OTP — Over-Temperature
- OPP — Over-Power

Note: Picture is for reference only. Actual specifications subject to manufacturer guarantee.

Cable Information

		P55F	P65F	P75F
24(20+4) Pin Motherboard		1	1	1
8 Pin CPU	4 Pin CPU	1	1	1
8(6+2) Pin PCI-E		1	1	2
SATA(90 Degree)		2	2	2
4 Pin Peripheral		1	1	1

Specifications

Model		P55F	P65F	P75F
Total Power		550W	650W	750W
Model Number		IW-PS-PF550W	IW-PS-PF650W	IW-PS-PF750W
Material		SECC		
Type		ATX12V V2.52		
Cable Management		Non-Modular Cables		
PFC		Active PFC (>0.95)		
Efficiency		80 PLUS® Gold (Up to 90%)		
MTBF (Hours)		>100,000 hrs.		
AC Input		100-240Vac, 8-10A, 50-60Hz		
Fan		120mm Sleeve Bearing Fan		
Typical Load Fan Noise(dBA) (50% Loading)		<25dBA		
Operating Temperature Range (°C)		0~40 °C		
Full Protection		OCP/ OVP/ UVP/ SCP/ OTP/ OPP		
Safety Certifications		cTUVus / TUV / CB / CE / CCC / FCC / RCM / BSMI		
Dimensions (L x W x H)		140 x 150 x 86mm		
Warranty		5 Years		
Connectors	20+4 Pin Motherboard	1	1	1
	8-Pin CPU	1	1	1
	4-Pin CPU	1	1	1
	8(6+2) Pin PCI-E	2	2	4
	SATA (90 Degree)	6	6	6
	4-Pin Peripheral	3	3	3

* 1000+ products comply with RoHS regulations.
* Specifications may vary based on different regions.

Model	AC INPUT	100-240Vac, 8-10A, 50-60Hz					
	DC OUTPUT	+12V	+5V	+3.3V	12V	+5VSB	Total Power
P55F	Max. Output Current	45.8A	20A	20A	0.3A	3A	550W
	Max. Combined Power	550W	105W		3.6W	15W	
P65F	Max. Output Current	54.2A	22A	22A	0.3A	3A	650W
	Max. Combined Power	650W	120W		3.6W	15W	
P75F	Max. Output Current	62.5A	22A	22A	0.3A	3A	750W
	Max. Combined Power	750W	120W		3.6W	15W	

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