



P SERIES

P125 / P105

User Manual



Product Story

The P Series is an 80 PLUS[®] Gold certified power supply that focuses its features on efficiency, reliability and overall PC building experience. The P Series' low noise output makes this PSU the optimal choice for most PC builds.





Features

1. 80 PLUS[®] Gold Certified for High Efficiency
2. Ultra Quiet Zero RPM Fan Mode
3. 5V and 3.3V DC to DC Design
4. Highly Reliable Japanese Aluminum Electrolytic Capacitors
5. Multi-Protection Safeguards (OCP,OVP, UVP, SCP, OTP, OPP)
6. Fully Modular Cables for Quick and Easy Installation
7. 5-Year Warranty





Specifications

Model		P125	P105
Part Number		IW-P1250	IW-P1050
Total Power		1250W	1050W
Material		SECC	
Type		ATX12V V2.4 / EPS12V V2.92	
Cable Management		Fully Modular	
PFC		Active PFC (> 0.95)	
Efficiency		80 PLUS®Gold (Up to 90%)	
MTBF (Hours)		> 100,000 hrs.	
AC Input		100-240Vac.,15-8A, 50-60Hz	
Fan		135mm FDB 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 / BSMI/ CE/ FCC/ EAC/ CCC/ RCM	
Dimensions (L x W x H)		160 x 150 x 86mm	
Package Dimensions (L x W x H)		210 x 325 x 105mm	
Net Weight		3.0kg	2.95kg
Gross Weigh		3.5kg	3.45kg
Warranty		5 Years	
Connector	20+4 Pin Motherboard	1	1
	8 (4+4) Pin CPU	2	2
	8 (6+2) Pin PCI-E	8	8
	4 Pin Peripheral	4	4
	SATA (90 Degree)	12	12
	Floppy	1	1

Model	AC INPUT	100-240Vac.,15-8A, 50-60Hz					
	DC OUTPUT	+12V	+5V	+3.3V	-12V	+5VSB	Total Power
P125	Max. Output Current	104.1A	22A	22A	0.3A	3A	1250W
	Max. Combined Power	1250W	120W		3.6W	15W	
P105	Max. Output Current	87.5A	22A	22A	0.3A	3A	1050W
	Max. Combined Power	1050W	120W		3.6W	15W	

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





Package Contents



**P Series Power Supply Unit x1
(P125 / P105)**



QR Code Card x1



Modular Cables Box x1



Modularized Cables Box



X1

20+4 Pin Motherboard
Connector



X2

8 (4+4) Pin CPU
Connector



X4

8 (6+2) Pin PCI-E
Connector



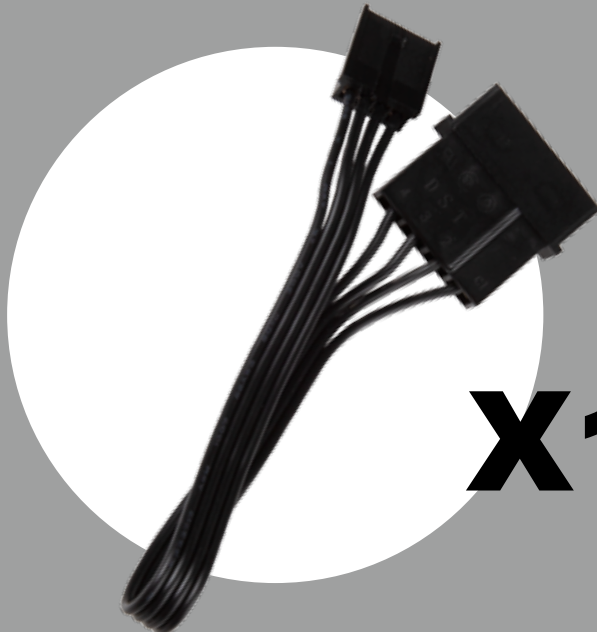
X1

4 Pin Peripheral
Connector



X3

SATA (90 Degree)
Connector



X1

Floppy Connector



X1

Power Cord



X8

Cable Ties



X4

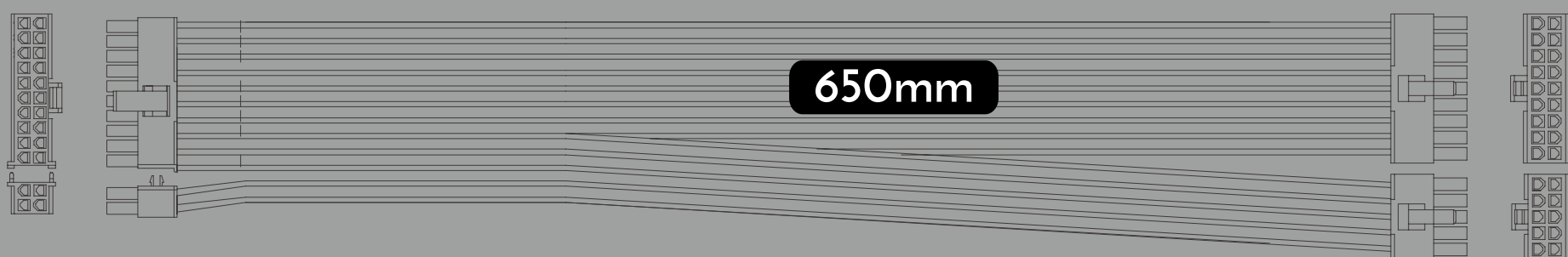
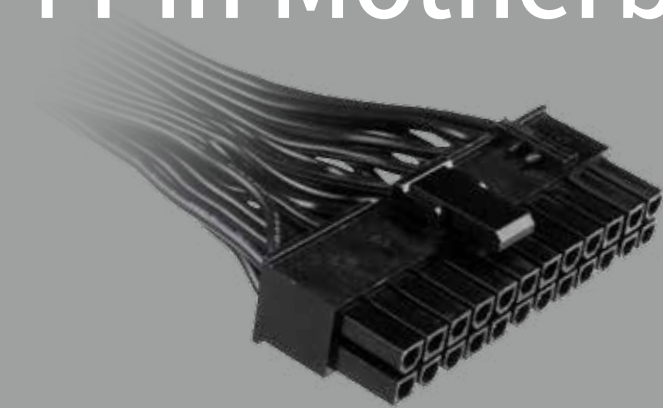
Mounting Screws



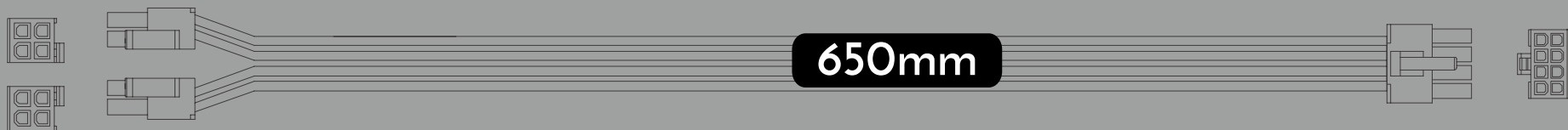


Cable Information

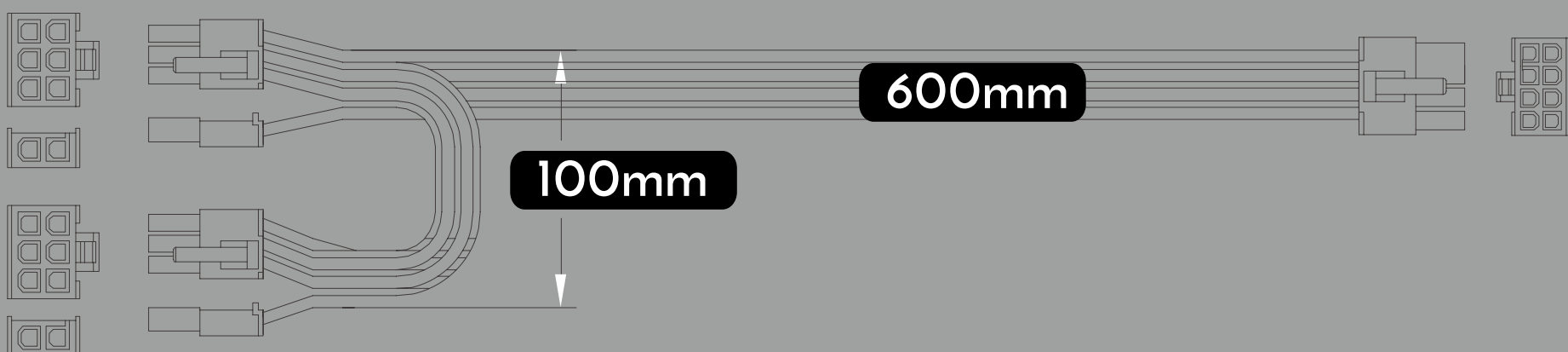
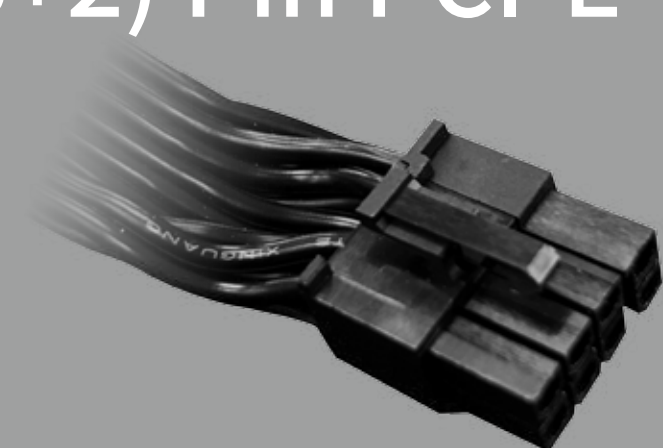
20+4 Pin Motherboard



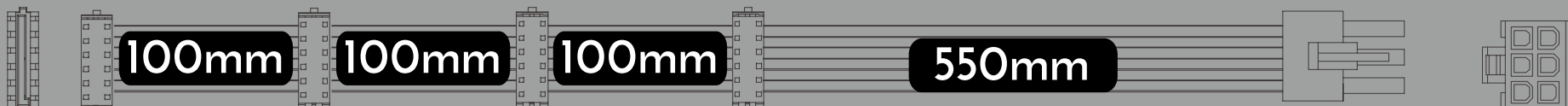
8 (4+4) Pin CPU



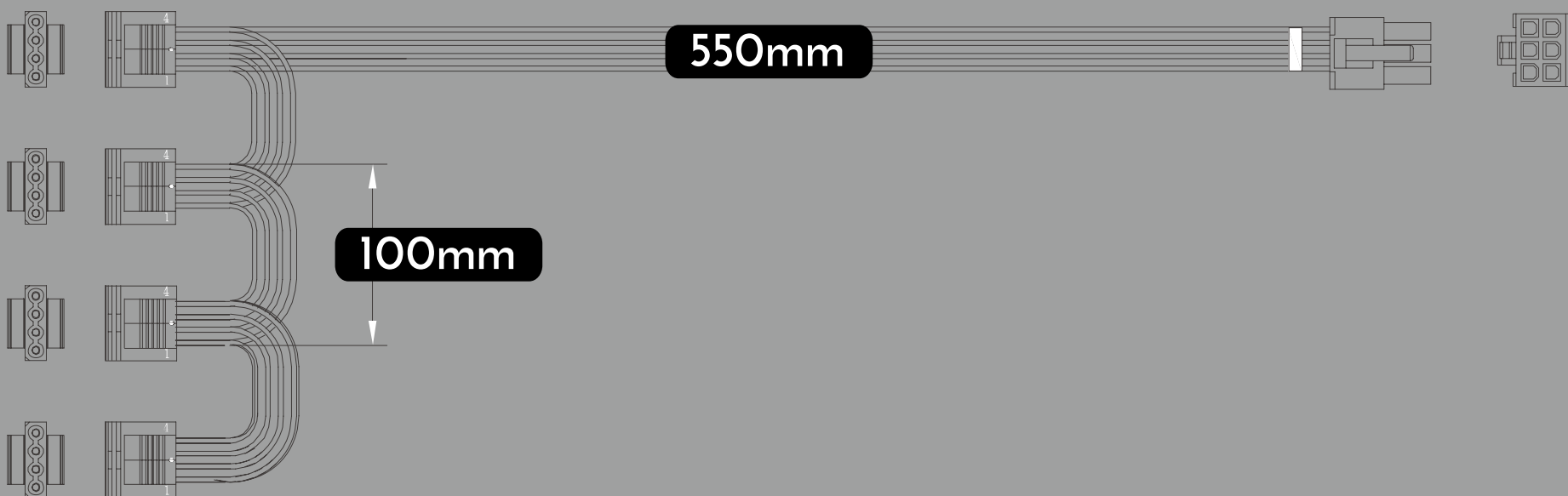
8 (6+2) Pin PCI-E



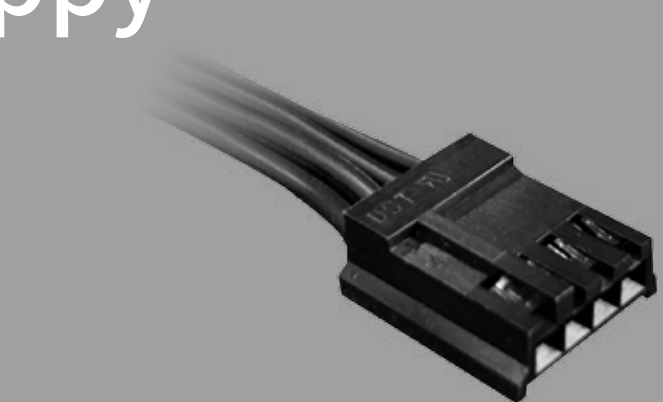
SATA (90 Degree)



4 Pin Peripheral



Floppy



1. Make sure the power supply's AC power cable is not connected before installation.
2. Place the power supply unit into the space provided in the case and secure the power supply unit with the screws.
3. Connect 24-pin power to the 24-pin socket on the motherboard.
4. Connect the 8-pin +12V cable to the motherboard.
 - A. If your motherboard has an 8-pin + 12V socket, connect the 8-pin cable directly to your motherboard.
 - B. If your motherboard has a 4-pin socket, detach the 4-pin from the 8-pin cable, and plug the 4-pin cable directly to your motherboard.

5. Connect the peripheral cables, PCI-Express cables, and the SATA cables to the appropriate socket.
6. Make sure all the cables are tightly connected and save any unused modular cables for future usage.
7. Connect the AC power cord to the power supply and turn it on by switching the power button to the "I" position.

Precautionary Installation Guide for High-Powered Graphics Cards

Some graphics cards on the market possess two or three PCIe connectors, and the power of these graphics cards usually exceed 225W (150W PCIe 8-pin connector + 75W from motherboard PCIe slot). The maximum rated wattage of a single PCIe 8-pin power cable and connector is 150W, therefore, when installing a high-powered graphics card, please make sure to use two or three independent PCIe cables to connect to the high-powered graphics cards.

These troubleshooting points will help you diagnose and solve problems with your power supply if the unit fails to operate properly:

1. Please make sure the power supply and power cord are connected properly.
2. Please make sure the power cord is plugged into the power socket.
3. Please make sure the power supply I/O button is switched to the "I" position.
4. Please check if all the connectors (motherboard and peripheral) are connected properly.
5. Please allow a 5-second interval before turning the power on again when power supply is switched off manually.
6. If you are still experiencing difficulties, please contact your local distributor for RMA support.

■ Notices

1. Please use the anti-static precautions while installing the components to prevent damage and injury.
2. Install in accordance with the user manual's instructions and safety warnings.
3. High voltages are present in the power supply. Do not open the power supply case. Any modifications may damage the product and may place the user at risk.
4. Do not use the power supply if it has been wet or damaged to avoid electric shock or injury.
5. Do not install the power supply near any heat sources such as: radiators, heat registers, or other apparatus that produces heat.



Notices and Warranty

6. Do not insert any objects into the open ventilation or fan grill area supply.
7. Please use only this product's exclusively supplied cables. Other cables may not be compatible and could cause serious damage to your system and power supply.
8. Do not modify the cables and/or connectors included with the power supply.





Notices and Warranty

■ Warranty

1. InWin provides a 5-year warranty toward the product. The warranty covers malfunctions or flaws before customer use. The warranty starts from your initial purchase (according to the date on your receipt). Please note that we do not honor the warranty for the product if it is not purchased personally or if it is purchased through an unauthorized distribution channel.
2. This limited warranty shall not apply if the defect was caused through any of the following:
 - 1) Abuse and misuse,
 - 2) Operation outside of product specification,
 - 3) Unauthorized service or modification,
 - 4) Any and all alteration of the product.





Notices and Warranty

3. For more detailed warranty information, please visit the InWin retail website at www.in-win.com.

4. The actual product is subject to change without prior notice. In Win Development Inc. reserves the right to make final modifications.





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