



MPG Series

Power Supply Unit

MPG Ai1600TS PCIE5

MPG Ai1300TS PCIE5

User Guide

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Specifications

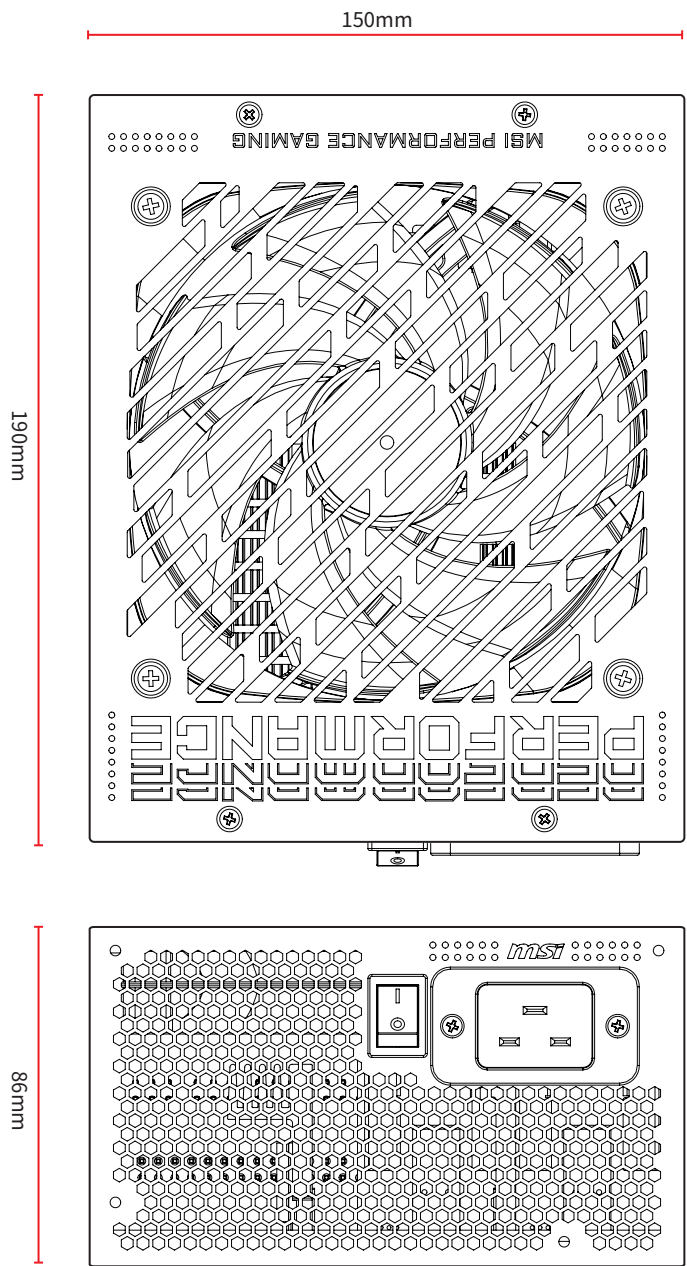
MPG Ai1600TS PCIE5

AC Input	100-240V~, 15-10A, 50-60Hz			
DC Output	+5V	+3.3V	+12V	+5Vsb
	22.0A	22.0A	133.33A	3.0A
Total Power	120W		1599.96W	15W
	1600W: 100-240V~ / 1200W: 100-115V~			

MPG Ai1300TS PCIE5

AC Input	100-240V~, 15-10A, 50-60Hz			
DC Output	+5V	+3.3V	+12V	+5Vsb
	22.0A	22.0A	108.33A	3.0A
Total Power	120W		1299.96W	15W
	1300W: 100-240V~			

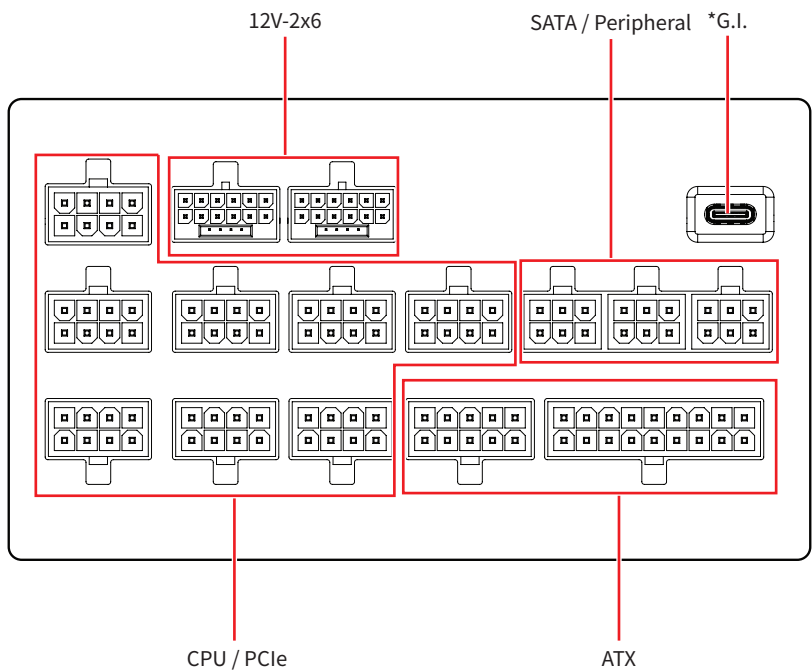
Dimensions



Number of Power Connectors

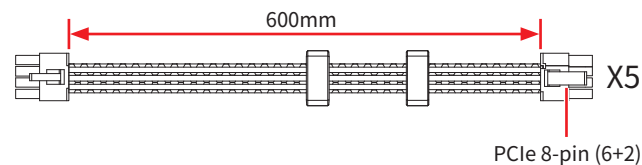
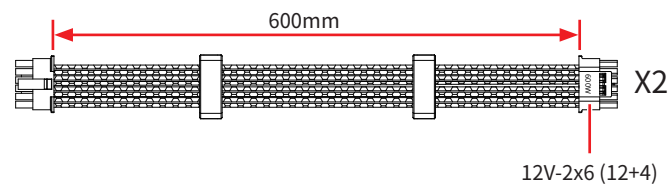
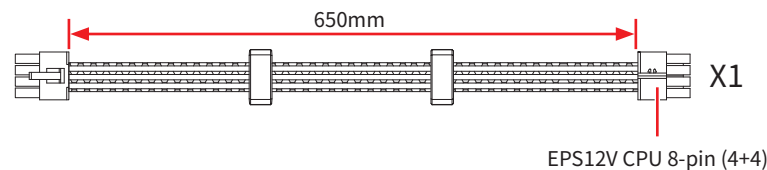
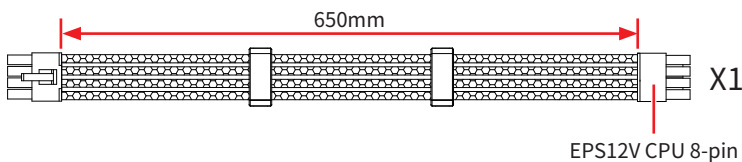
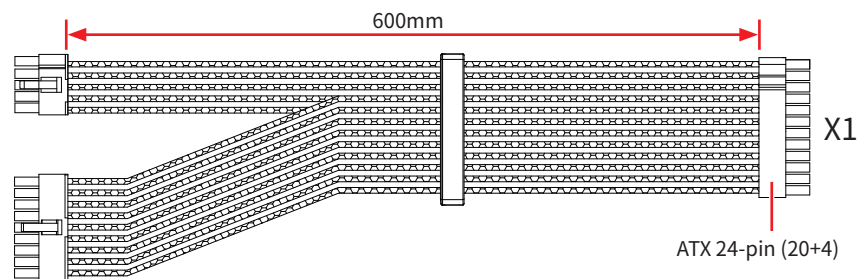
Power Connectors	MPG Ai1600TS PCIE5	MPG Ai1300TS PCIE5
ATX 24-pin (20+4)	1	1
EPS12V CPU 8-pin	1	1
EPS12V CPU 8-pin (4+4)	1	1
12V-2x6 (12+4)	2	2
PCIe 8-pin (6+2)	7	7
SATA 15-pin	8	8
Peripheral/Molex-type 4-pin	4	4

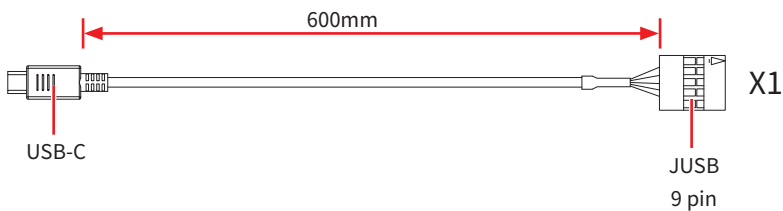
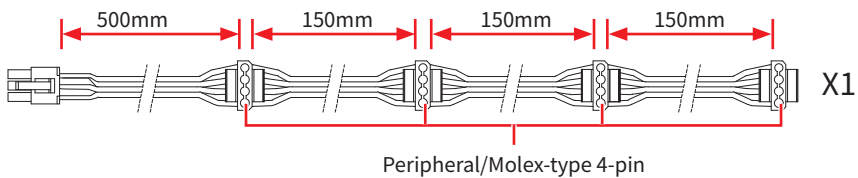
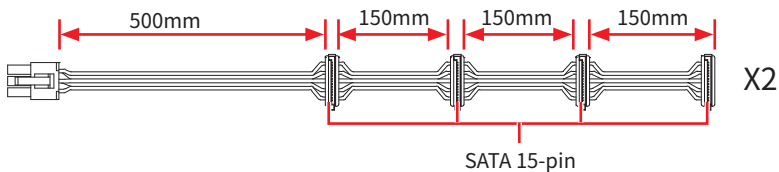
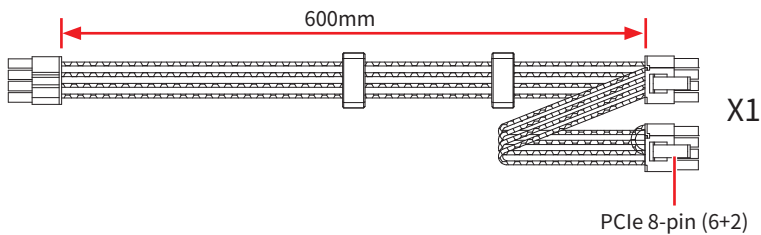
Detachable Connectors



*G.I. : Please refer to “G.I. Port” section for more information.

Connectivity and Cable Lengths





Protection Features

This section details the advanced hardware protection mechanisms built into this PSU to ensure system safety and prevent hardware damage.



Important

For more information, please visit the MSI official website.

Fan Safeguard

To prevent the power supply from overheating due to cooling failure, the system features intelligent fan monitoring.

- **Trigger Condition:** Activated if the fan fails to spin when operation is required.
- **Warning Signal:** The buzzer will emit a continuous long beep.
- **System Action:** After 10 seconds of the warning alert, the PSU will automatically shut down to protect internal components.



WARNING

- *If this protection is triggered, please visually inspect the fan through the ventilation grille to check for any foreign objects obstructing it. Remove the obstruction and restart the system.*
- *Do not open the PSU casing to check the fan. Opening the casing will void the warranty.*

GPU Safeguard+

This PSU is equipped with advanced current monitoring technology specifically for the 12V-2x6 connector to ensure safe power delivery to high-end graphics cards.

- **Trigger Condition:** Activated if the current on the 12V-2x6 connector exceeds the safety threshold (potential indication of poor contact or abnormal resistance).
- **Warning Signal:** The buzzer will emit a warning alert for 180 seconds.



WARNING

Please check the 12V-2x6 connection now and save your important data immediately.

- **System Action:** Following the alert, the system will cut the display signal (resulting in a black screen) to prevent connector overheating or damaging.



WARNING

If the GPU Safeguard alert is triggered:

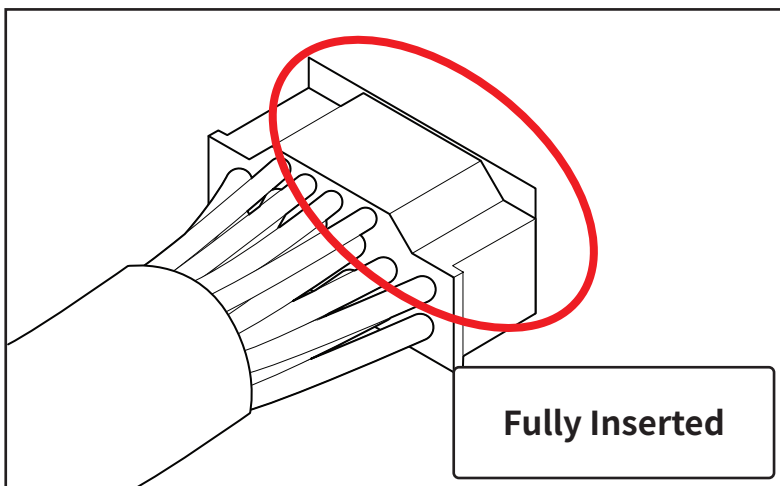
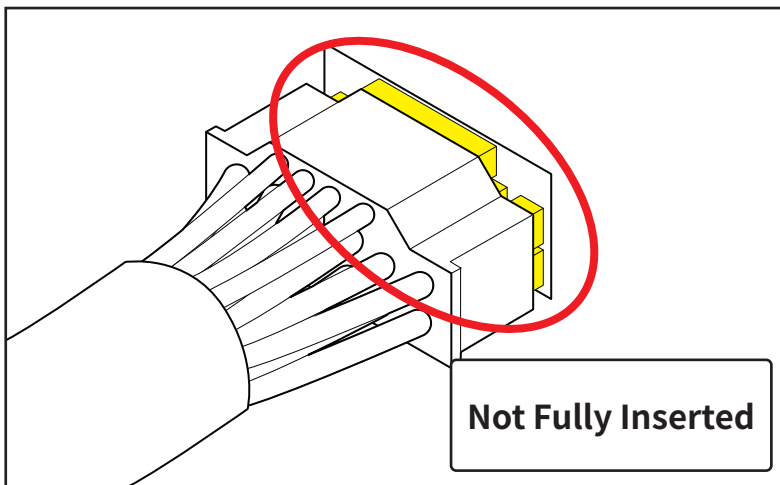
- *Immediately turn off the PSU power switch and unplug the power cord.*
- *Inspect the 12V-2x6 cable connection at both the GPU and PSU ends.*
- *Ensure the connector is fully seated and the cable is not severely bent.*

12V-2x6 Cable Installation



CAUTION

Please fully insert the cable before use.



Zero Fan Mode

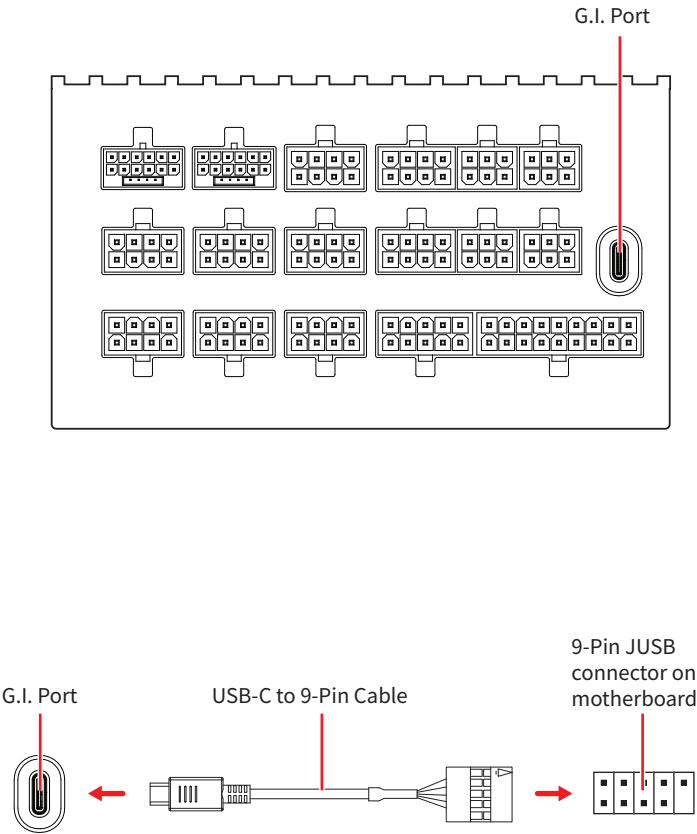
This PSU supports the **Zero Fan Mode**, which stops the PSU fan when the power load falls below the designated level . You can turn the **Zero Fan Mode** off for the fan to run constantly through MSI Center. You must install the **Cooling Wizard** feature within MSI Center to toggle the **Zero Fan Mode**.

Zero Fan Mode	Description
ON (Default)	The PSU fan stops when the system load falls below the designated level.
OFF	The PSU fan runs constantly.

G.I. Port

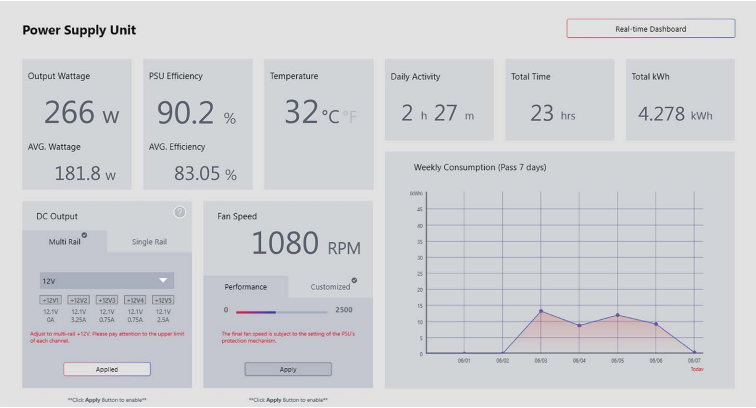
The G.I. port allows you to connect your system with **USB-C to 9-Pin Cable**. Once connected properly, you can monitor PSU performance through MSI center.

G.I. Port Connection



Software Control and Monitoring

Once connected properly, you can monitor power supply unit's performance and control it through the MSI Center. If you would like to know more information about MSI Center, please refer to MSI Center User Guide: <http://download.msi.com/manual/mb/MSICENTER.pdf> or scan the QR code to access.



Important

The screen, options and settings will vary depending on the products you have.

Regulatory Notices

Model Number

Model No.: MS-7ZPUA・MS-7ZPUB