



MEGA GM

850W / 1000W / 1200W



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Features

- Efficiency $\geq 90\%$ @ typical load
- 80 PLUS® / Cybenetics® gold certified
- Supports native PCIe 12V-2x6 connector and cable
- 105°C Japanese bulk capacitor
- 135mm Fluid dynamic bearing (FDB) fan
- Eco semi-fanless fan control switch
- Off-Wet, Off-Dust and Off-Stain conformal coating
- Top-notch topology of full-bridge & LLC converter and synchronous rectifier & DC-DC converters
- Fully modular with embossed cabling design
- Complete protections: OCP, OVP, SCP, OPP, UVP, OTP, SIP, NLO





Complies with Intel® power design guide ATX 3.1

MEGA series is compatible with the latest ATX 3.1 regulation to support up to 200% power excursion and with the new interface of PCIe 12V-2x6 connector to ensure peak performance with future hardware upgrades.



High efficiency in Gold-certified

Certified by world-class organizations 80 PLUS® / Cybenetics® gold certification for lower power loss, less heat, and quieter operation





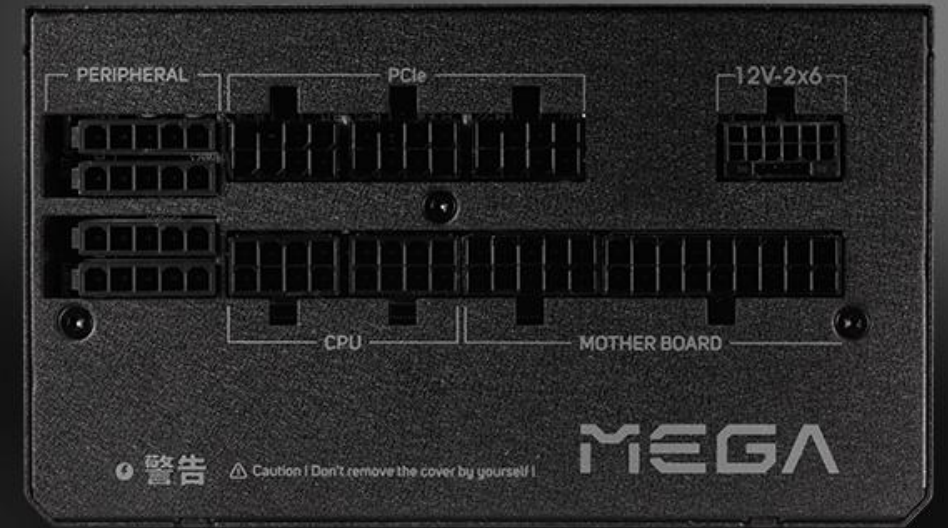
Ready to comply latest graphic cards PCIe 12V-2x6 connectors and 8 pin connectors.

PCIe 8 Pin connectors and a native 12V-2x6 connector offer flexible configuration for even the most power-hungry NVIDIA or AMD graphics cards.



Fully Modular Embossed Cable Design

To make power supply installation easy and allows users to use only the needed cables, improving airflow and reducing system clutter.

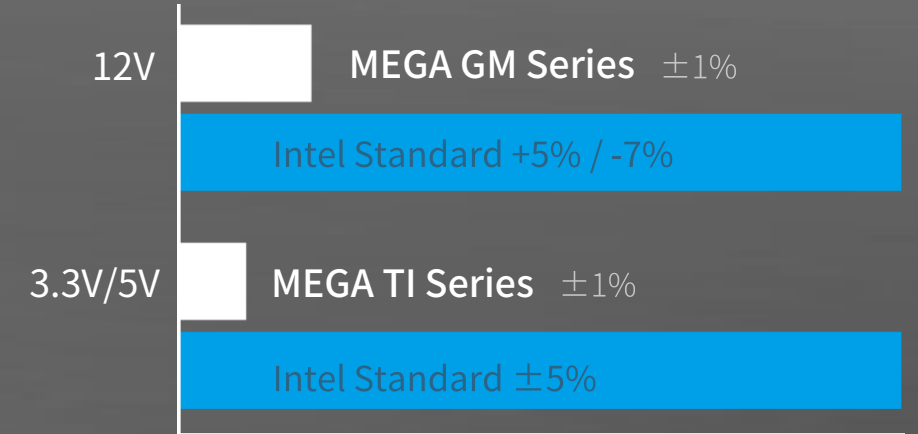




FSP MTLC® (Micro Tolerance Load Control) Load Regulation $\pm 1\%$

FSP MTLC® (Micro Tolerance Load Control) is an advanced design that enables processors and graphics cards to perform high-speed AI calculations efficiently, minimizing delays caused by power surges or sudden load changes. With superior load regulation of just 1%, exceeding the Intel ATX 3.1 standard, this advanced design achieves stable voltage delivery, enhances power supply efficiency, and improves the performance and reliability of sensitive electronic devices.

This precise control reduces power consumption, heat generation, and voltage fluctuations, ultimately extending the lifespan of both the power supply and the devices it powers.



*10%~100% load

* $\leq 1\%$ voltage drop on the 24pin motherboard connector.

Extreme low 1% load regulation, exceeding standard by 5 times.

(Lower values indicate better performance)



Stay Cool, Stay Soft

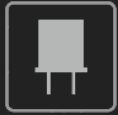
Under 40% loading, you will enjoy Zero RPM experience when eco semi-fanless fan control switch is on, and get the benefit of long lifespan from a 135mm fluid dynamic bearing fan.

Off-Wet
Off-Dust
Off-Stain

Off-Wet, Off-Dust and Off-Stain

Covered with exclusive conformal coating which guarantees to offer better and reliable performance in harsh environments and is tested to work in environments up to 95% relative humidity.





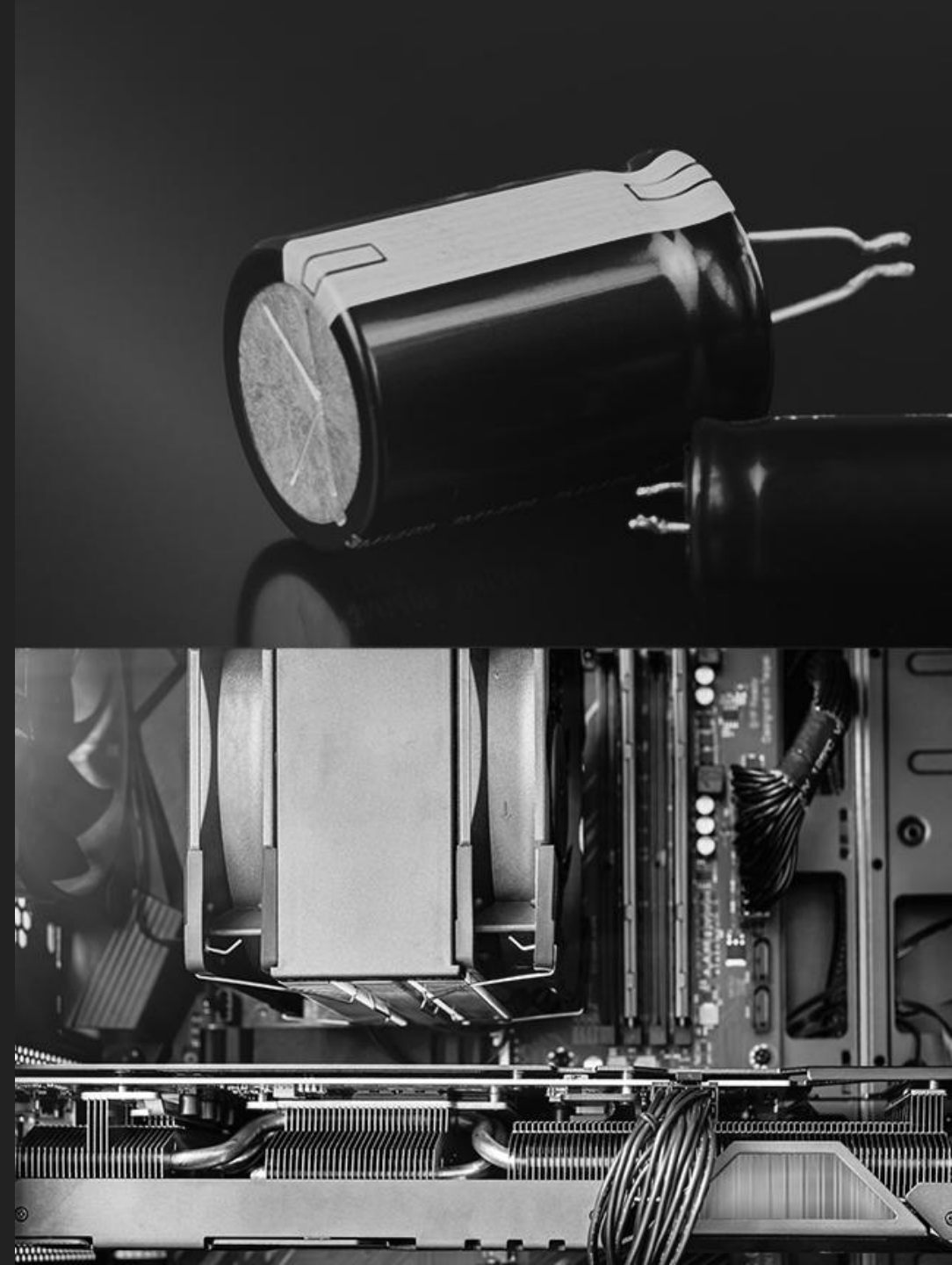
105°C Japanese bulk capacitor

Maximize reliability and performance by using top-quality Japanese electrolytic capacitors for a longer lifespan.



Powerful Single +12V Rail

Modern CPUs and graphics cards can draw significant amounts of power, especially during peak loads, a single +12V rail PSU offers a good balance of simplicity, power delivery capability, and stability.





Complete Protection

OCP, OVP, SCP, OPP, UVP, OTP, SIP, NLP

Our comprehensive circuit shields your valuable components from harm.



Compact PSU size : 150 x 150 x 86mm

It's an ideal size for compact PC or space-constraint environment without compromising on performance.





MEGA GM

Specifications 1

	MEGA-850GM	MEGA-1000GM	MEGA-1200GM
Wattage	850W	1000W	1200W
Form Factor	ATX12V V3.1	ATX12V V3.1	ATX12V V3.1
Efficiency	90%	90%	90%
80 PLUS®	Gold	Gold	Gold
Cybenetics	Gold	Gold	Gold
Gen 5 Connector	12V-2x6	12V-2x6	12V-2x6
Modularity	Full modular	Full modular	Full modular
PFC Type	Active ≥ 0.9	Active ≥ 0.9	Active ≥ 0.9
Input Voltage	100-240V	100-240V	100-240V
Input Current	11-5.5A	12-6A	15-8A



MEGA GM

Specifications 2

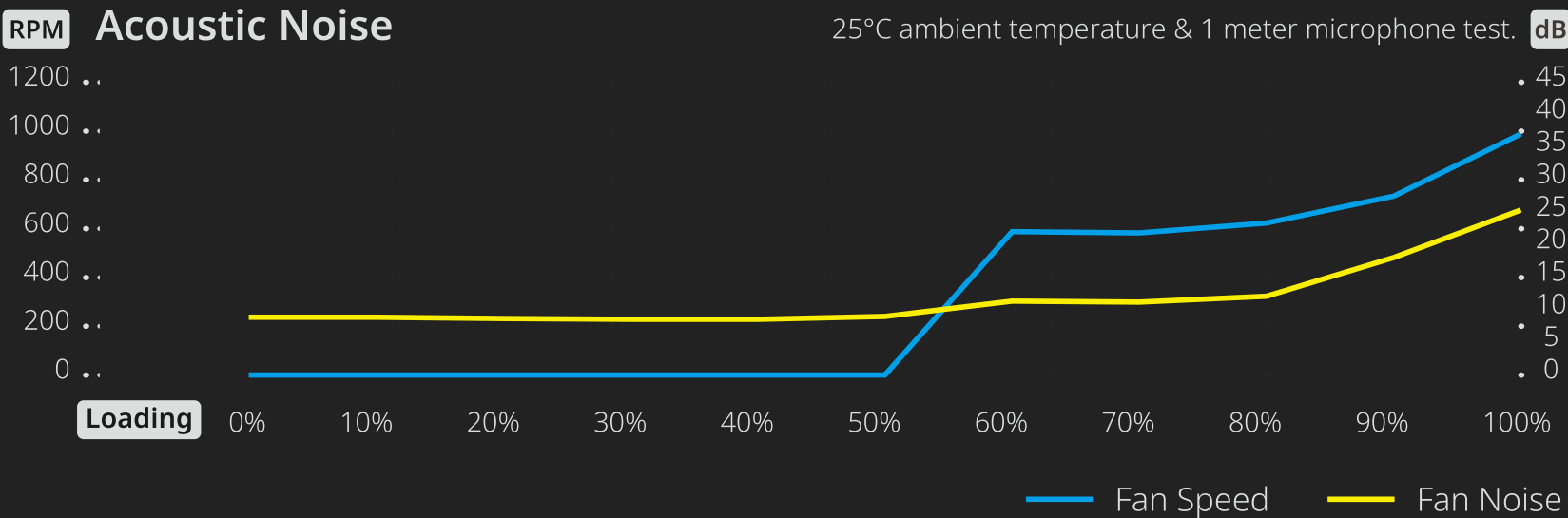
	MEGA-850GM	MEGA-1000GM	MEGA-1200GM
Input Frequency	50-60Hz	50-60Hz	50-60Hz
Output Capacity	850W	1000W	1200W
Max. Output Power	850W	1000W	1200W
Fan Size	135mm	135mm	135mm
Fan Bearing	Fluid Dynamic Bearing	Fluid Dynamic Bearing	Fluid Dynamic Bearing
Operating Temperature	50°C	50°C	50°C
Hold Up Time	≥17ms @ 80% load	≥17ms @ 80% load	≥17ms @ 80% load
MTBF	100,000 Hrs	100,000 Hrs	100,000 Hrs
Protection	OCP, OVP, SCP, OPP, UVP, OTP, SIP, NLP	OCP, OVP, SCP, OPP, UVP, OTP, SIP, NLP	OCP, OVP, SCP, OPP, UVP, OTP, SIP, NLP
Dimension (L × W × H)	150 × 150 × 86 mm	150 × 150 × 86 mm	150 × 150 × 86 mm



MEGA GM

Noise /
Efficiency

MEGA GM 850W





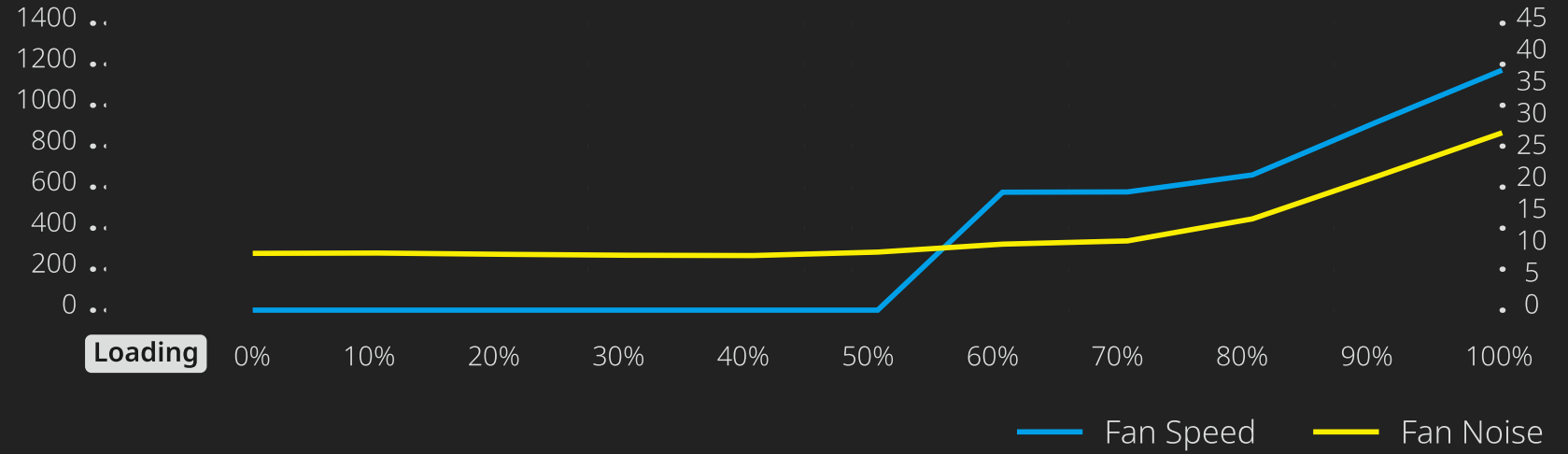
MEGA GM

Noise/
Efficiency

MEGA GM 1000W

Acoustic Noise

25°C ambient temperature & 1 meter microphone test. dB





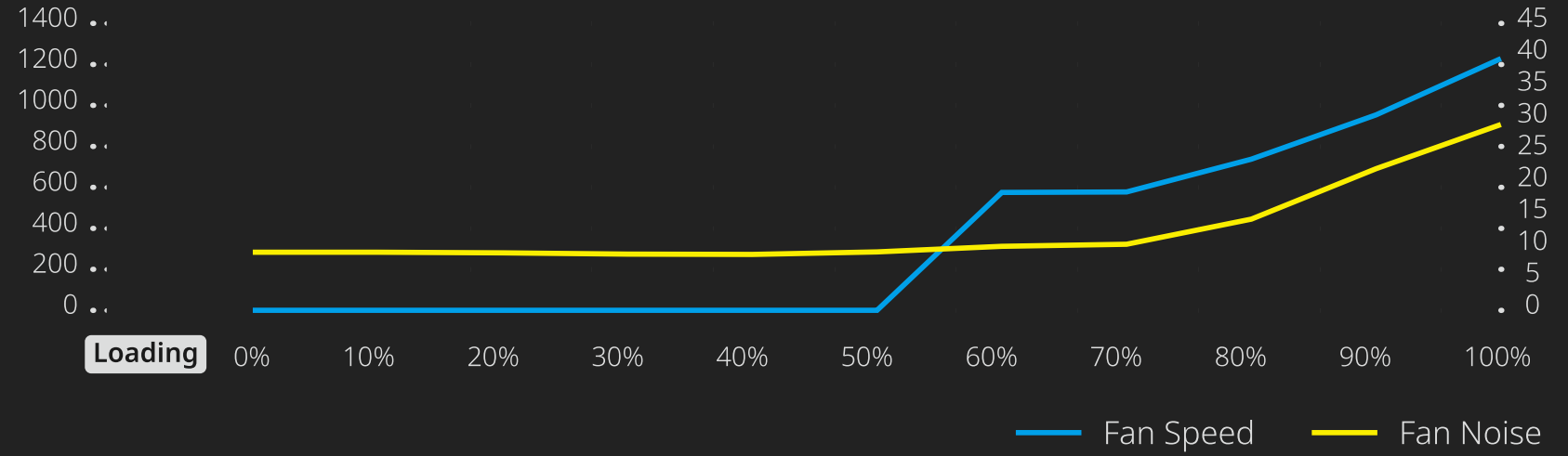
MEGA GM

Noise/
Efficiency

MEGA GM 1200W

Acoustic Noise

25°C ambient temperature & 1 meter microphone test. dB



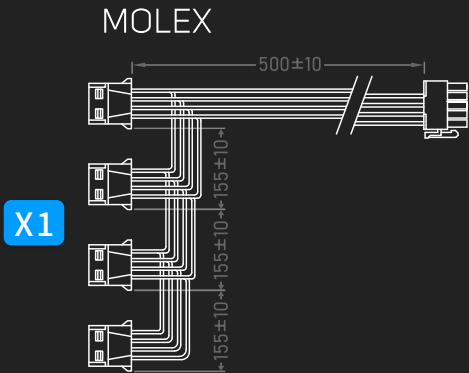
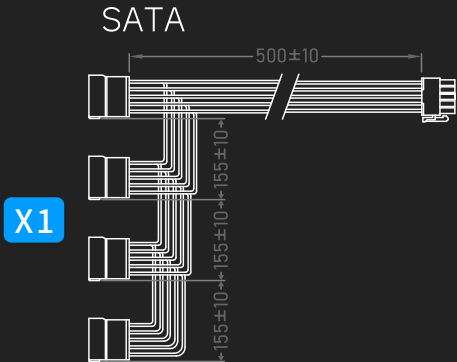
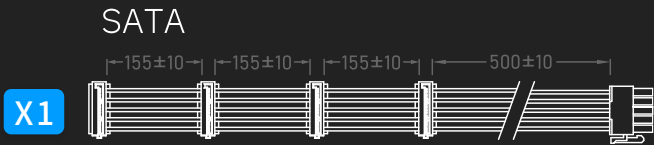
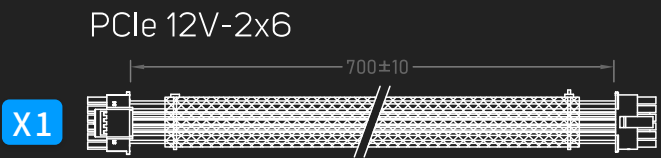
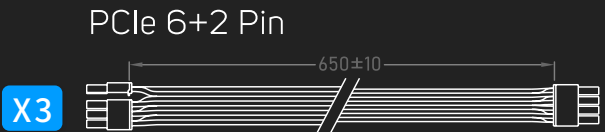
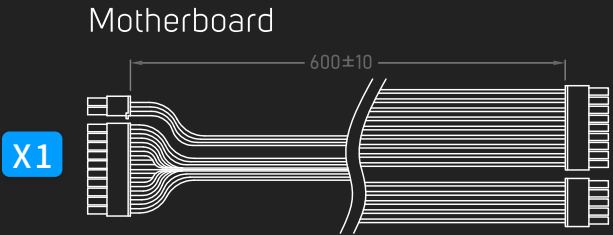


MEGA GM

Cable /
Connector

MEGA GM 850W

MB 20+4 PIN	X1
CPU 4+4 PIN	X2
PCIe 6+2 PIN	X3
PCIe 12V-2x6	X1
SATA	X8
MOLEX	X4



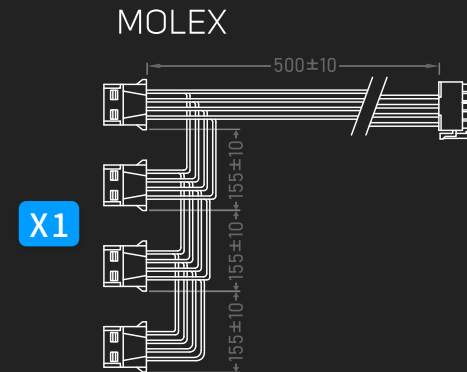
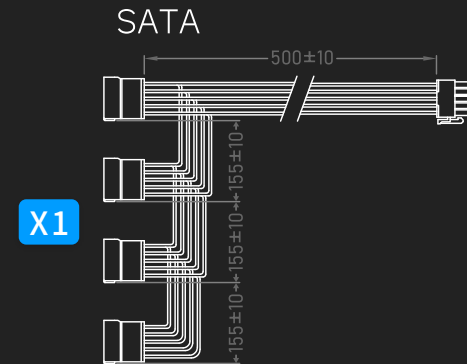
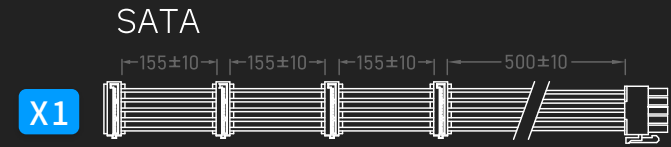
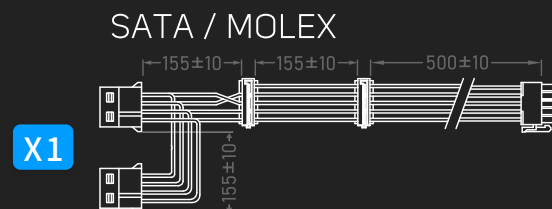
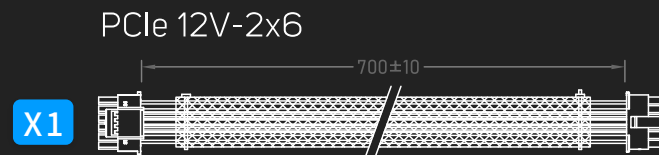
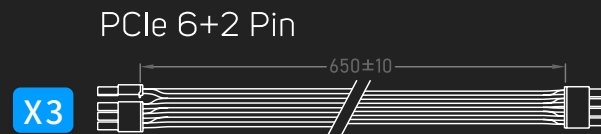
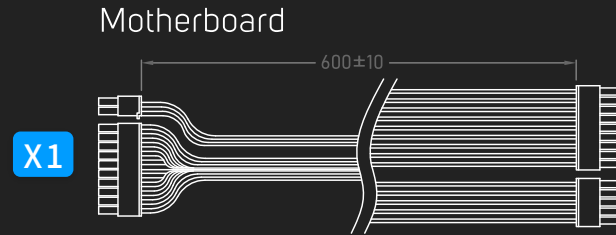


MEGA GM

Cable /
Connector

MEGA GM 1000W
MEGA GM 1200W

MB 20+4 PIN	X1
CPU 4+4 PIN	X2
PCIe 6+2 PIN	X3
PCIe 12V-2x6	X1
SATA	X10
MOLEX	X6





MEGA GM

Rating

MEGA-850GM

AC Input	100-240V~ 11-5.5A 50-60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current	20A	20A	70.83A	0.3A	3.0A
Max Combined Power	120W		850W	3.6W	15W
Total Power	850W				

MEGA-1000GM

AC Input	100-240V~ 12-6A 50-60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current	20A	20A	83.33A	0.3A	3.0A
Max Combined Power	120W		1000W	3.6W	15W
Total Power	1000W				

MEGA-1200GM

AC Input	100-240V~ 15-8A 50-60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current	20A	20A	100A	0.3A	3.0A
Max Combined Power	120W		1200W	3.6W	15W
Total Power	1200W				



MEGA GM

Package
Information

	MEGA-850GM	MEGA-1000GM	MEGA-1200GM
EAN Code (Black)	4711498481931	4711498481948	4711498481955
UPC Code (Black)	845685015983	845685015990	845685016003
Retail Box Dimension (L × W × H)	390 × 256 × 115 mm (Retail Box)	390 × 256 × 115 mm (Retail Box)	390 × 256 × 115 mm (Retail Box)
Retail Box Weight	3.708 KG (kraft-paper box)	3.937 KG (kraft-paper box)	4.058 KG (kraft-paper box)
Carton Dimension (L × W × H)	540 × 440 × 307 mm	540 × 440 × 307 mm	540 × 440 × 307 mm
Carton Quantity	4pcs	4pcs	4pcs
Carton Weight	20.432 KG	21.348 KG	21.832 KG
Pallet Quantity	80pcs	80pcs	80pcs
Country of Origin	China	China	China
Warranty	10 Years	10 Years	10 Years





THANK YOU

IF YOU HAVE ANY QUESTIONS OR CONCERNS ,
PLEASE CONTACT ME

www.FSPLifeStyle.com