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GigaMax III

80 PLUS BRONZE POWER SUPPLY

- 80PLUS® BRONZE 230V EU, Certified high efficiency design
- Compliance with Intel ATX Ver. 3.0 Standards
- PCI 5.0 and 12VHPWR Ready
- Cybernetics Silver and Lamda A+A+ Grade certified
- Single Rail +12V DC Output
- Premium Taiwanese 105℃ Solid state capacitor
- Heavy-duty protection circuitry of Over Voltage, Over Current, Over Power, Under Voltage, Over Temperature and Short-Circuit protection
- supports AMD CrossFireX™ & Nvidia SLI™
- Meets ErP 2013 Lozt6 standby power standards Safety/EMI Approvals : CB, CE, KC, EAC certified
- 5 Year Warranty

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GigaMax III

80 PLUS Bronze Certified

SILVER

99%
Active PFC

Taiwanese 105°C
electrolytic Capacitors

DC to DC
Converter

Supports SLI and
AMD Crossfire

Semi-
Modular

Multiple Protection
Circuit System

Long & Quiet
120mm FDB Fan

+12V
Single Rail
Output

2013 ErP
READY

5 Year
Warranty

Intel ATX 3.0 guide compatible

PCIe* AIC and PSU Power Budget used for Peak Power Excursion

Power Excursion % of PSU Rated Size PSU ≤ 450 Watts & PSUs without 12VHPWR Connector	Power Excursion % of PSU Rated Size PSU > 450 Watts & 12VHPWR Connector present	Time for Power Excursion (TE)	Testing Duty Cycle
100%	100%	Infinite	--
110%	120%	100 ms	50%
135%	160%	10 ms	25%
145%	180%	1 ms	20%
150%	200%	100 µs	10%
150%	200%	100 µs	10%

size, then custom Power Excursion % of PSU rated size must also be calculated.

Allows up to 200% of maximum rated power

Low Load Efficiency Requirements

Low Load Efficiency	10W / 2%
Required	60%
Recommended	70%

High efficiency at the low load

PCIe 5.0 & 12VHPWR Ready!

ATX 3.0 compatible

100% ready for Intel and AMD

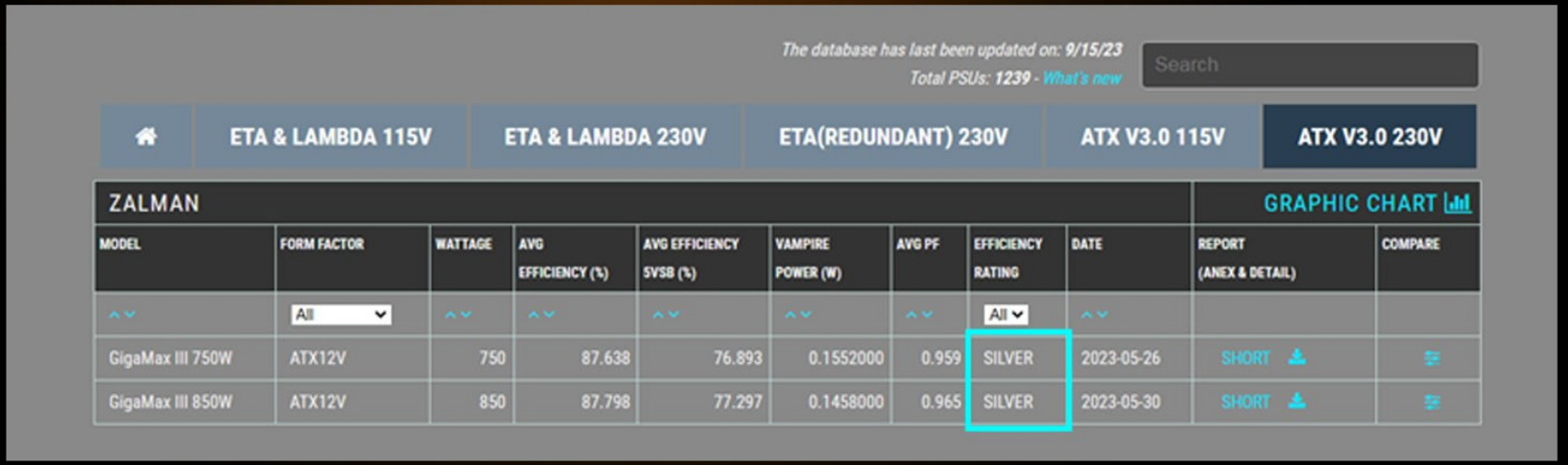
PCIe 5.0 Ready

Supports a dedicated 16pin PCIe 5.0 connector for the latest graphics cards

Cybenetics ETA SILVER

The GigaMax3 has an ETA Platinum efficiency rating,

meaning it has a guaranteed typical efficiency of 85%.



The database has last been updated on: 9/15/23
Total PSUs: 1239 - What's new

Search

ETA & LAMBDA 115V | ETA & LAMBDA 230V | ETA(REDUNDANT) 230V | ATX V3.0 115V | ATX V3.0 230V

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MODEL	FORM FACTOR	WATTAGE	AVG EFFICIENCY (%)	AVG EFFICIENCY 5VSB (%)	VAMPIRE POWER (W)	AVG PF	EFFICIENCY RATING	DATE	REPORT (ANEX & DETAIL)	COMPARE
	All						All			
GigaMax III 750W	ATX12V	750	87.638	76.893	0.1552000	0.959	SILVER	2023-05-26	SHORT	
GigaMax III 850W	ATX12V	850	87.798	77.297	0.1458000	0.965	SILVER	2023-05-30	SHORT	

Cybenetics

Cybenetics LAMBDA

Not only the efficiency of the power supplies is evaluated, also the noise generated by it. GigaMax3 series has Lambda grade for certificated silent PSU.

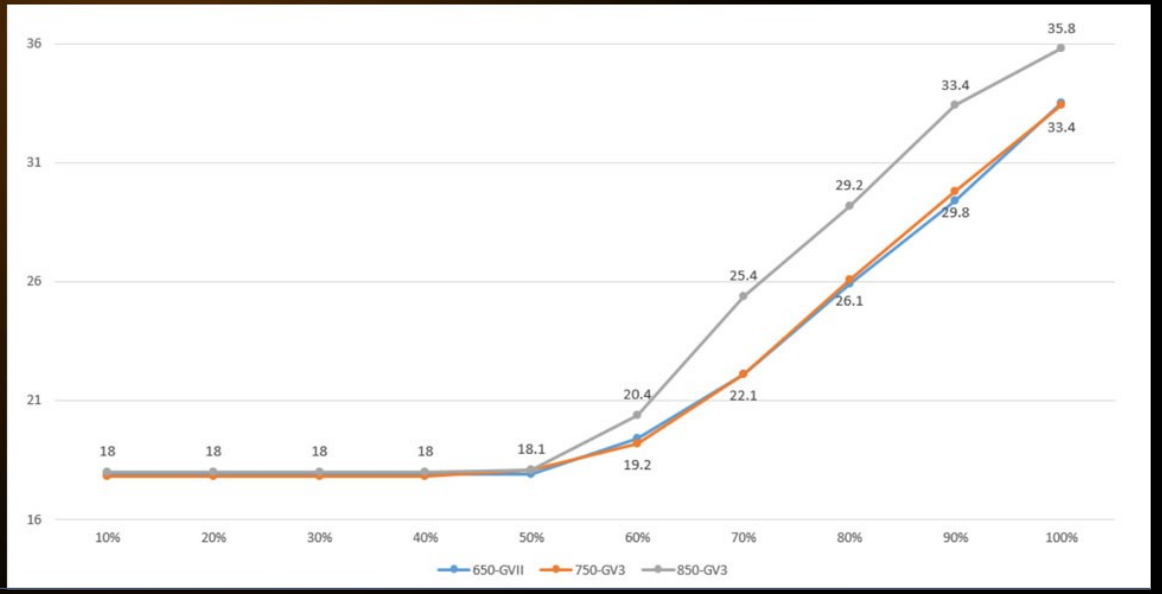
LAMBDA (POWER SUPPLIES)

ALONG WITH EFFICIENCY, WE ARE ALSO ABLE TO CALCULATE A PSU'S OVERALL OUTPUT NOISE, BY AVERAGING THE NOISE MEASUREMENTS THAT WE TAKE FROM OUR TEST RESULTS.

Noise data averaging process isn't straightforward since decibels (dB) are based on logarithmic scales. For example, if you have a PSU producing 40 dB, a doubling of the acoustic power sound intensity would not be 80 dB but 43 dB (and 50 dB for the volume loudness). This means that we must convert first the dB values to sound pressure units (Pa), before we average them, and then convert the result to dB again, to make it familiar to most of you. We call our noise measurements program Lambda, deriving from the Greek letter "Λ". The same conditions with efficiency testing also apply to our noise measurements.

NOISE LEVELS (115V/230V INPUT)	NOISE REQUIREMENTS (1)
A++	<15 dB(A)
A+	≥15 dB(A) & <20 dB(A)
A	≥20 dB(A) & <25 dB(A)
A-	≥25 dB(A) & <30 dB(A)
STANDARD ++	≥30 dB(A) & <35 dB(A)
STANDARD +	≥35 dB(A) & <40 dB(A)
STANDARD	≥40 dB(A) & <45 dB(A)

Acoustic FAN Noise (@1M)



Superior Efficiency & Energy Savings

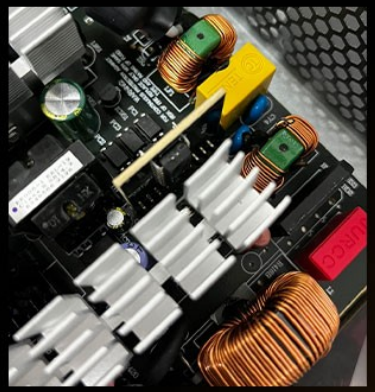
80 PLUS Bronze 230V EU Certified

80PLUS Bronze guarantees 85%, 88%, 85% efficiency with 20%, 50% and 100% load rates, significantly reducing overall system power consumption.

The higher efficiency of the PSU means that there is less leakage of current, which means less heat, high frequency noises, and fan noise.

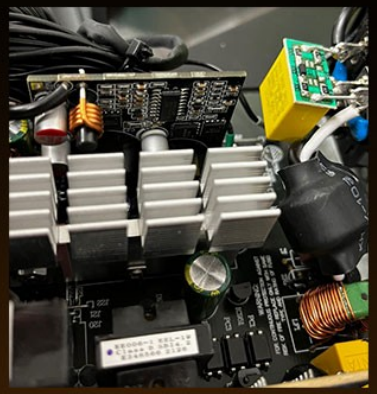
Semi-modular PSU

Semi modular design minimizes resistance and voltage drop on the cables and lowers impedance to further enhance energy efficiency, connecting only the cables your system needs to allow for smooth airflow to cool the system.



Active PFC With 99% Maximum Power Factor

Active PFC system with maximum power factor of 99% providing consistent and stable output as well as high energy efficiency.
High efficiency ensures safe, stable system operation with low component noise, less heat from parts, and minimal fluctuation of power supply.



12V DC-TO-DC Convertor With 100% Availability

The power supply supports a wide range of PC components, minimizing variations in output voltage, maximizing 12V DC rail output to provide a stable system operation

Built-In High Performance Taiwanese Capacitor That Handles Up To 221˚F

Highly reliable Taiwanese capacitor used to supply stable voltage even at high temperatures up to 221˚F

Built-In EMI Filter For Noise Reduction

EMI filter is installed to suppress frequency that causes noise for better system operation.

Aluminum Solid Capacitor

All capacitors in the power supply are top quality and very reliable in supplying stable power even at high temperature.

System Standby Power At 0.5W or Less

0.5 W ↓

ZALMAN’s power supply has such remarkable

energy efficiency, that during standby the power supply

can be kept under 0.5W to avoid any unnecessary

power consumption.

The power supply has acquired ErP LOT 6 which passed

European energy saving standards for environmental

friendly and energy efficient experience for users.

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Intel and AMD RYZEN 100% Compatible and Ready

Meets all the needs of Intel and AMD RYZEN processors for high performance PC users.

Intel, AMD Ryzen

Intel Processor

AMD RYZEN™ Processor

Compact Size

Standard ATX size provides wide compatibility

FDB(Fluid Dynamic Bearing)

Quiet and Long Lifespan Cooling Technology

FDB(Fluid Dynamic Bearing) has benefits of low noise and long lifespan.

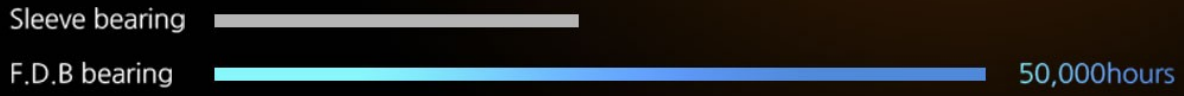
It discharges internal heat quickly and provides sufficient cooling at a low RPM to maximize stable, safe power supply.

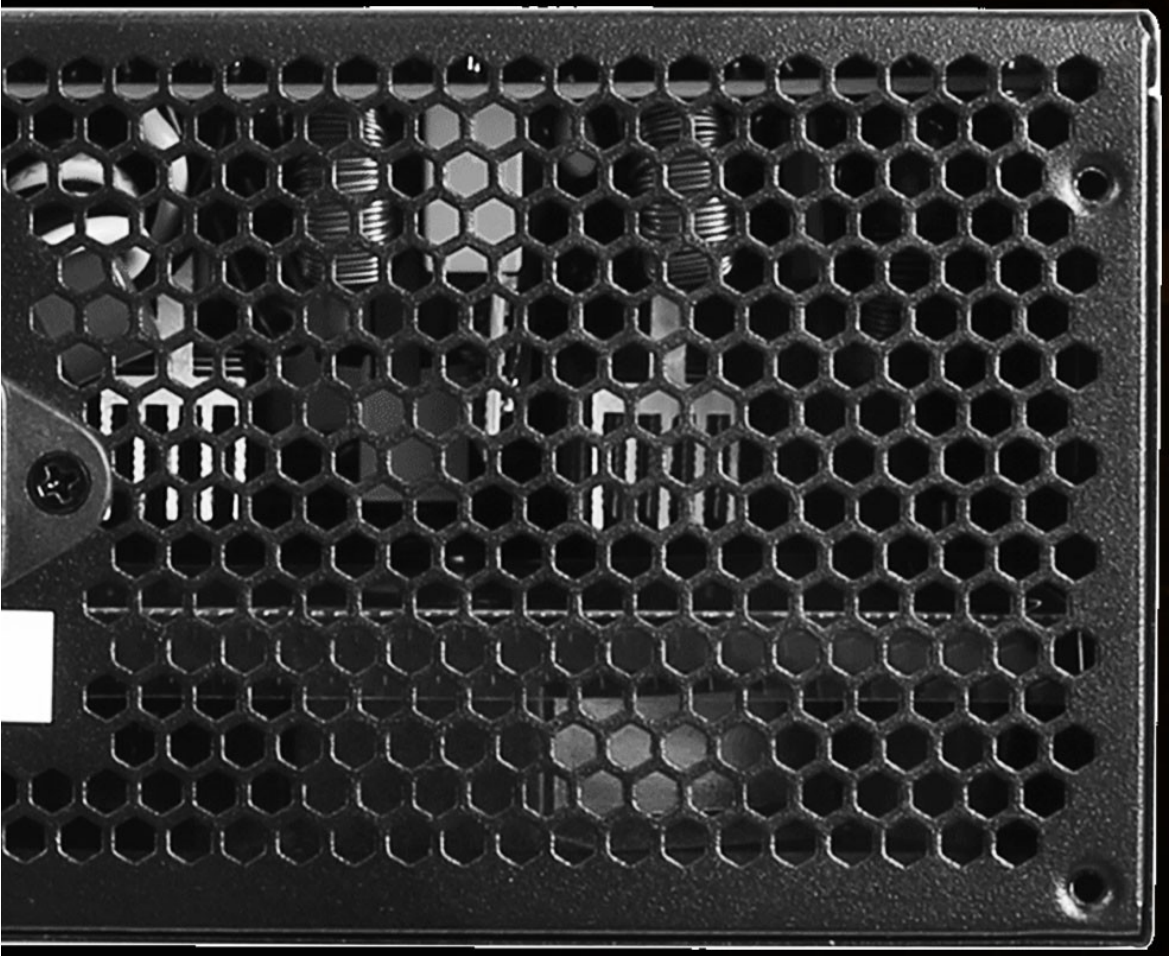
Minimal Friction Between Bearing

Low-Noise Low-Heat Design

Long Lifespan Over 50,000 hrs

Fan Life Span





Honeycomb Vents

Honeycomb vents provide superior performance and ventilation, discharging hot air quickly

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GigaMax III 650W

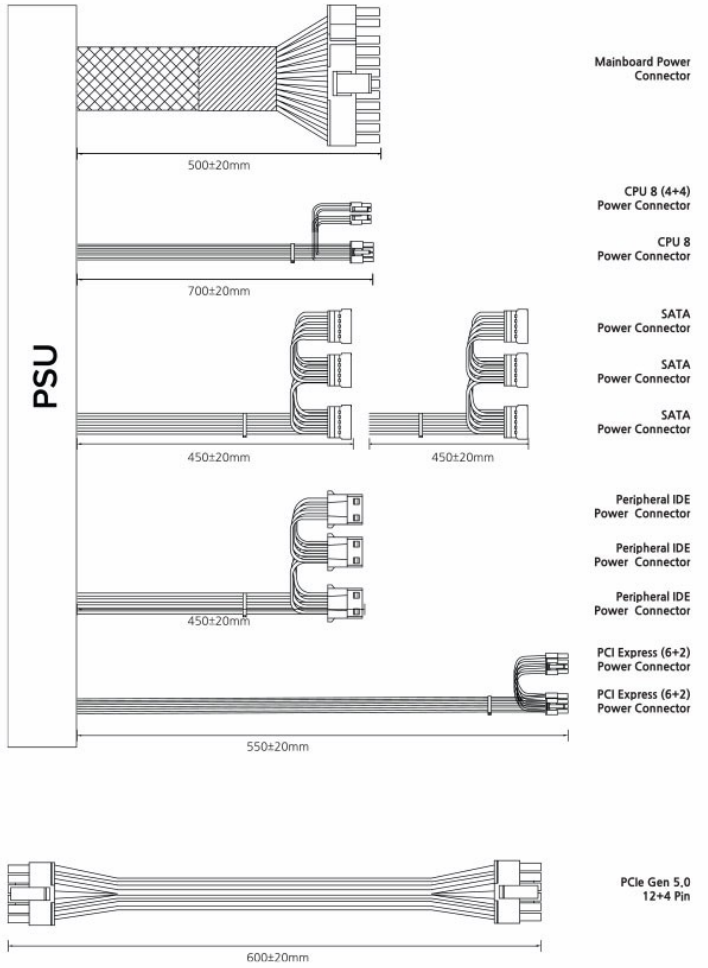
Specifications

	200-240V~ , 5A , 50-60Hz				
DC MAX.OUTPUT	+3.3V	+5V	+12V	-12V	+5Vsb
	20A	20A	54.16A	0.3A	3A
MAX.COMBINED WATTAGE	110W		650W	3.6W	15W
TOTAL POWER	650W				

Model	GigaMax650W (ZM650-GV3)
Dimensions	140(L) x 150(W) x 86(H)mm
Weight	1.65kg
80PLUS	Bronze 230 EU
Type	Intel ATX Ver 3.0
PFC	Active PFC
Input Voltage	200-240V~
Input Current	5A
Input Frequency	50-60Hz
Fan Size	120mm
Fan Bearing	FDB Bearing
Efficiency	Max 88% @ 230VAC, Typical Load
MTBF	100,000 Hours
Operating Temperature	0~40℃
Protection	OCP / OVP / OPP / OTP / UVP / SCP
Regulatory	CB, CE, EAC, RoHS
Cables	Mainboard Cable x 1 CPU Cable (Connector 2ea) x 1 PCI Express Cable (Connector 2ea) x 1 IDE Cable (Connector 3ea) x 1 S-ATA Cable (Connector 3ea) x 2 12VHPWR Cable x 1

※ The length & demension can be differ depend on measuring method.

Cable Specifications



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GigaMax III 750W

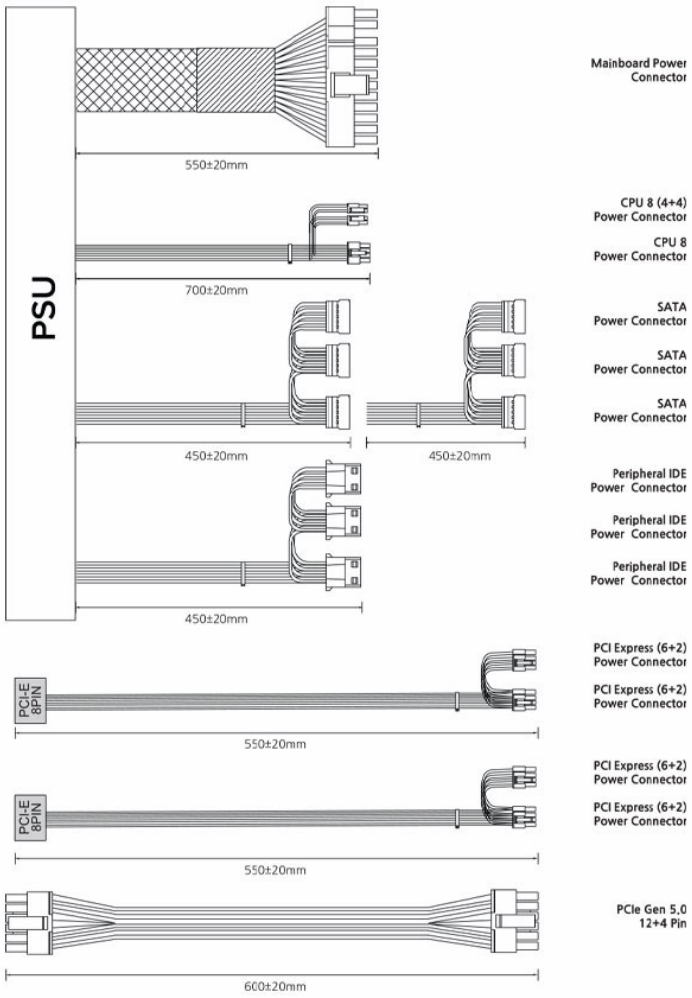
Specifications

	200-240V~ , 6A , 50-60Hz				
DC MAX.OUTPUT	+3.3V	+5V	+12V	-12V	+5Vsb
	20A	20A	62..5A	0.3A	3A
MAX.COMBINED WATTAGE	120W		750W	3.6W	15W
TOTAL POWER	750W				

Model	GigaMax750W (ZM750-GV3)
Dimensions	140(L) x 150(W) x 86(H)mm
Weight	1.7kg
80PLUS	Bronze 230 EU
Type	Intel ATX Ver 3.0
PFC	Active PFC
Input Voltage	200-240V~
Input Current	6A
Input Frequency	50-60Hz
Fan Size	120mm
Fan Bearing	FDB Bearing
Efficiency	Max 88% @ 230VAC, Typical Load
MTBF	100,000 Hours
Operating Temperature	0~40℃
Protection	OCP / OVP / OPP / OTP / UVP / SCP
Regulatory	CB, CE, EAC, RoHS
Cables	Mainboard Cable x 1 CPU Cable (Connector 2ea) x 1 PCI Express Cable (Connector 2ea) x 2 IDE Cable (Connector 3ea) x 1 S-ATA Cable (Connector 3ea) x 2 12VHPWR Cable x 1

※ The length & demension can be differ depend on measuring method.

Cable Specifications



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GigaMax III 850W

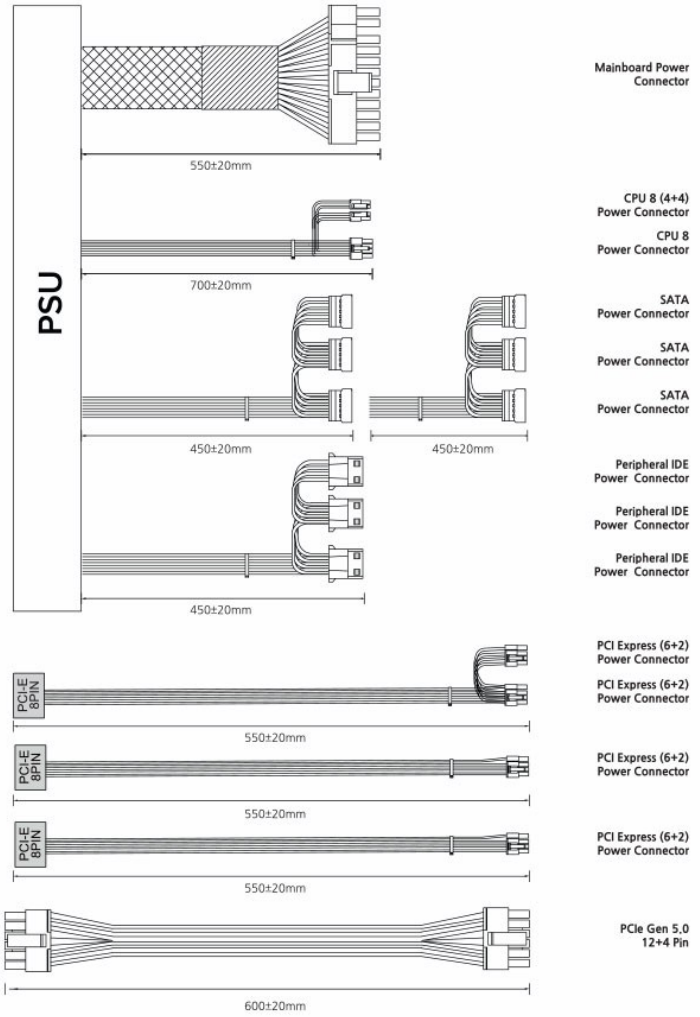
Specifications

	200-240V~ , 7A , 50-60Hz				
DC MAX.OUTPUT	+3.3V	+5V	+12V	-12V	+5Vsb
	20A	20A	70.83A	0.3A	3A
MAX.COMBINED WATTAGE	130W		850W	3.6W	15W
TOTAL POWER	850W				

Model	GigaMax850W (ZM850-GV3)
Dimensions	140(L) x 150(W) x 86(H)mm
Weight	1.8kg
80PLUS	Bronze 230 EU
Type	Intel ATX Ver 3.0
PFC	Active PFC
Input Voltage	200-240V~
Input Current	7A
Input Frequency	50-60Hz
Fan Size	120mm
Fan Bearing	FDB Bearing
Efficiency	Max 88% @ 230VAC, Typical Load
MTBF	100,000 Hours
Operating Temperature	0~40℃
Protection	OCP / OVP / OPP / OTP / UVP / SCP
Regulatory	CB, CE, EAC, RoHS
Cables	Mainboard Cable x 1 CPU Cable (Connector 2ea) x 1 PCI Express Cable (Connector 2ea) x 1 PCI Express Cable x 2 IDE Cable (Connector 3ea) x 1 S-ATA Cable (Connector 3ea) x 2 12VHPWR Cable x 1

※ The length & demension can be differ depend on measuring method.

Cable Specifications



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5 YEAR WARRANTY

FREE WARRANTY