



HYDRO GSM PRO Series

550W / 650W / 750W



Introduction

LLC topology and all Japanese e-capacitors make Hydro GSM PRO series a perfect solution for your power-hungry components, which realize ultra-high efficiency as well as extraordinary performance. The intelligent 120mm thermal control fan allows optimal cooling air to be drawn in to the PCB board, making it almost impossible to heat. In terms of the product look, Hydro GSM PRO is coated with matte black finish and mounted with octagonal stainless fan grill that enables excellent airflow while remaining stylish for PC gamers.

Features



LLC Topology

To optimize your power conversion efficiency



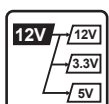
+12V Single Rail Design

Designed for power-intensive VGA cards
Provides strong power to any overloading condition



Thermal Control Fan

An advanced thermal control fan makes optimal cooling and reduces noise.



DC to DC Module Design

Providing high efficient, stable power.

- Compliance with the newest ATX 12V V2.52
- Efficiency $\geq 90\%$ at typical load
- Intelligent fan speed control
- Quiet and long-lasting 120mm silent fan
- Ribbon cables for all enthusiasts
- Powerful single +12V rail design
- All Japanese electrolytic capacitors
- Intel Latest CPU ready
- Full protections OCP, OVP, SCP, OPP, OTP



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Product Overview

Octagonal Fan Grill

It is mounted with an octagonal stainless fan grill to form an excellent airflow for optimal cooling

Matte Black Finish

The surface is coated with matte black finish to prevent any scratches

Semi-Modular Design

Hydro GSM PRO series is designed semi-modular that not just saves user's time for installation, but also provides your system a neat and tidy look for cable management.

Black Flat Cable

The all black coating round cables gives it a stylish and quality look

Dual CPU Power Connectors

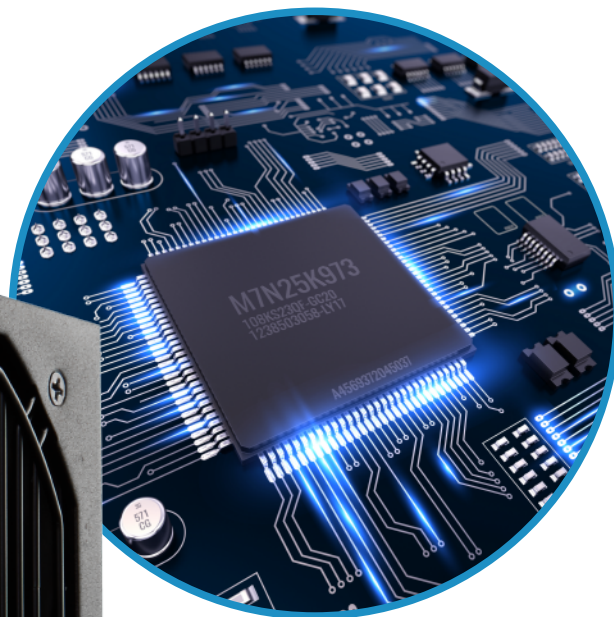
Support high-end motherboards, and deliver stable power to the CPU



Product Overview

LLC Topology

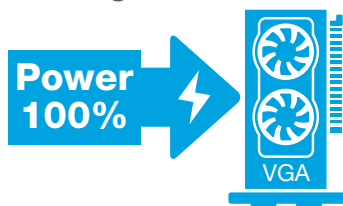
The LLC topology allows for zero voltage switching of the main switches thereby dramatically lowering switching losses and boosting efficiency.



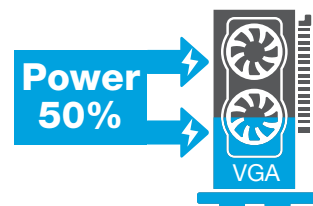
All Japanese E-Capacitors

Japanese e-capacitors have better quality, protecting your equipment from the infamous capacitor leakage problem and also increasing the life-span of your equipment

Single +12V rail



Multi.+12V rail



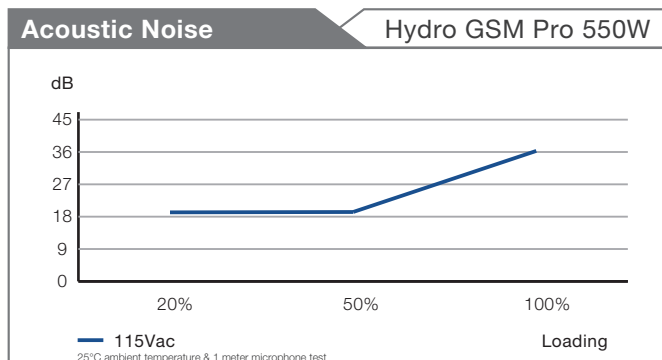
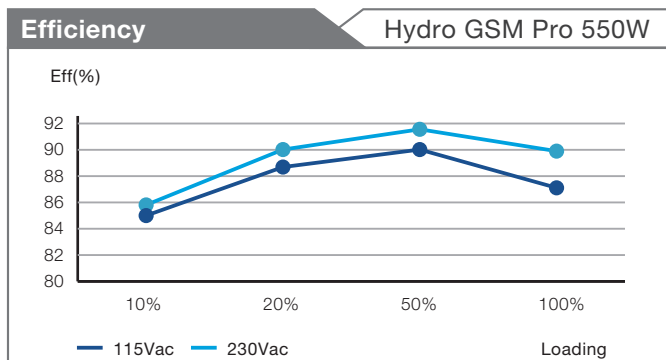
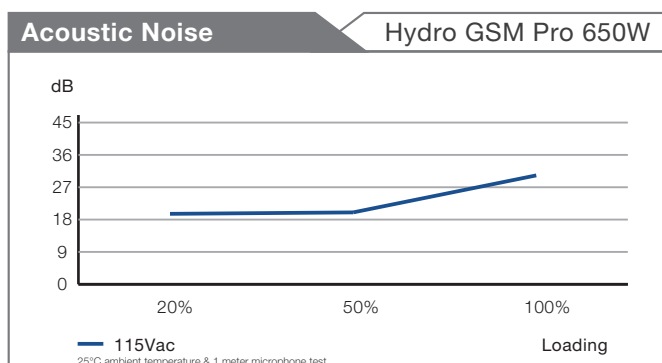
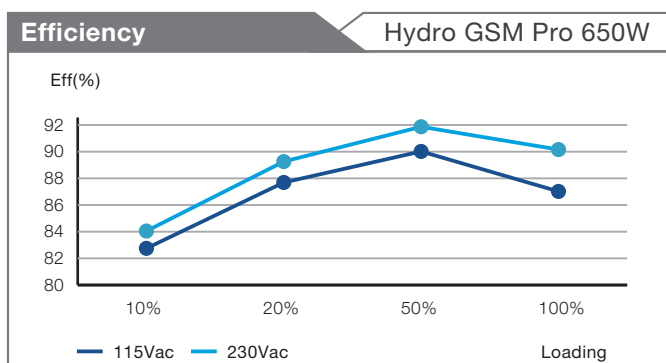
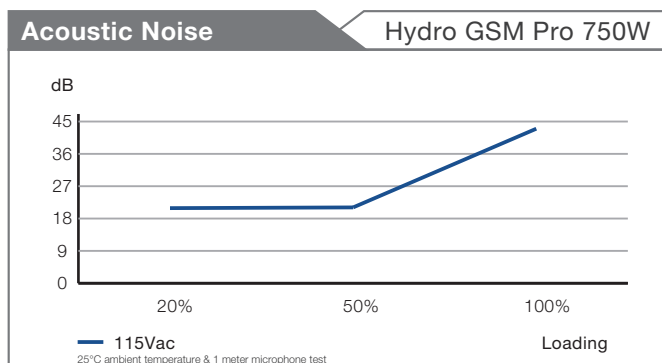
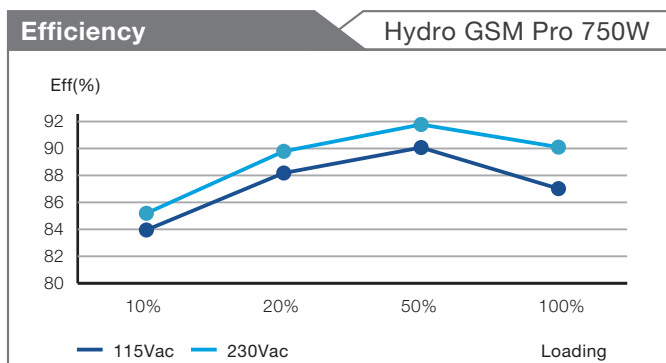
Custom DC-DC Module

DC to DC modules to improve the reliability, and enable greater compatibility with low ripple noise to effectively reduce interference of system components, prolonging system lifetime.

Unleash +12V Power Output

VGA card is a power-hungry component that needs most power. A single +12V rail design can deliver stable power and avoid any overloading conditions.

Performance



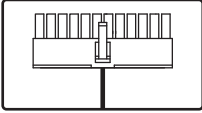
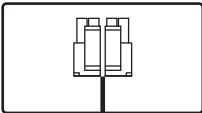
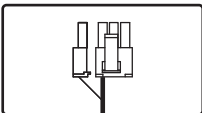

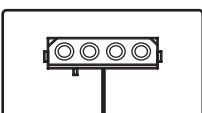
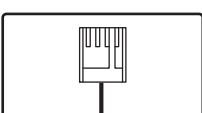
Rating

550W	AC Input	100-240V~, 8-4A ,50-60Hz				
	DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
	Max Output Current	20A	20A	45.83A	0.3A	3.0A
	Max Combined Power	100W		550W	3.6W	15W
	Total Power	550W				

650W	AC Input	100-240V~, 8-4A ,50-60Hz				
	DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
	Max Output Current	20A	20A	54.17A	0.3A	3.0A
	Max Combined Power	100W		650W	3.6W	15W
	Total Power	650W				

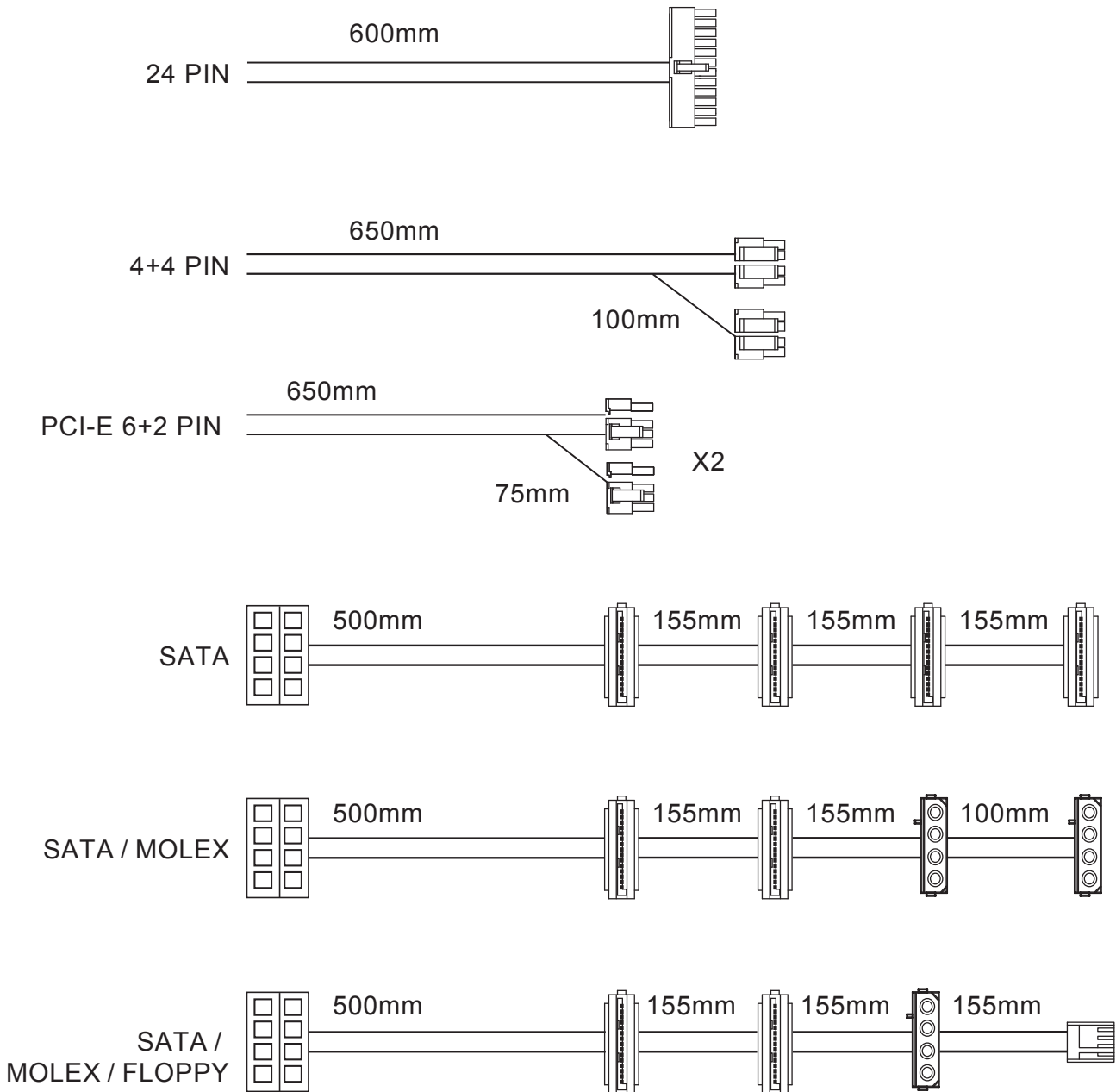
750W	AC Input	100-240V~, 10-5A ,50-60Hz				
	DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
	Max Output Current	20A	20A	62.5A	0.3A	3.0A
	Max Combined Power	100W		750W	3.6W	15W
	Total Power	750W				

Connectors

	550W	650W	750W
 24 PIN	1	1	1
 4+4 PIN	2	2	2
 6+2 PIN	4	4	4
 SATA	8	8	8
 MOLEX	3	3	3
 FLOPPY	1	1	1

Cable Length

550W / 650W / 750W



Specifications



	550W	650W	750W
Model	HGS-550M	HGS-650M	HGS-750M
Type	ATX		
PFC	Active PFC		
Input Voltage	100V~240V		
Input Current	8-4A	8-4A	10-5A
Input Frequency	50~60Hz		
Output Capacity	550W	650W	750W
Max. Output Power	550W	650W	750W
Fan Type	Silent Fan, 120mm	Silent Fan, 120mm	Silent Fan, 120mm
Efficiency	90%		
MTBF	100,000 Hrs		
Protection	OCP,OVP, SCP,OPP,OTP		
Weight	kgs	kgs	kgs
Dimension(L×W×H)	150 x 140 x 86mm	150 x 140 x 86mm	150 x 140 x 86mm



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Package Information

Model	HGS-550M	HGS-650M	HGS-750M
EAN Code	471322452381 6	471322452380 9	471322452379 3
UPC Code	84568501103 9	84568501102 2	84568501101 5
Shipping Dimensions (L×W×H)	mm		
Shipping Weights	kg	kg	kg
Master Pack Dimension (L×W×H)	mm		
Master Pack Quantity	10 retail boxes per master package		
Master Pack Weight	kg	kg	kg
Pallet Quantity	pcs		
Country of Origin	China		
Warranty	7 Years		
Additional Information			