



## Hydro G (650/750/850W)

[fsp-europe.com/hydro-g-650750850w/](http://fsp-europe.com/hydro-g-650750850w/)

Hydro G 3D View

Hydro G 3D View with stickers

Hydro G Colorbox 650W

Hydro G Colorbox 750W

Hydro G Colorbox 850W

Hydro G Eye View

Hydro G built into PC

Hydro G open chassis

Hydro G Ribbon Cables



All

All

All

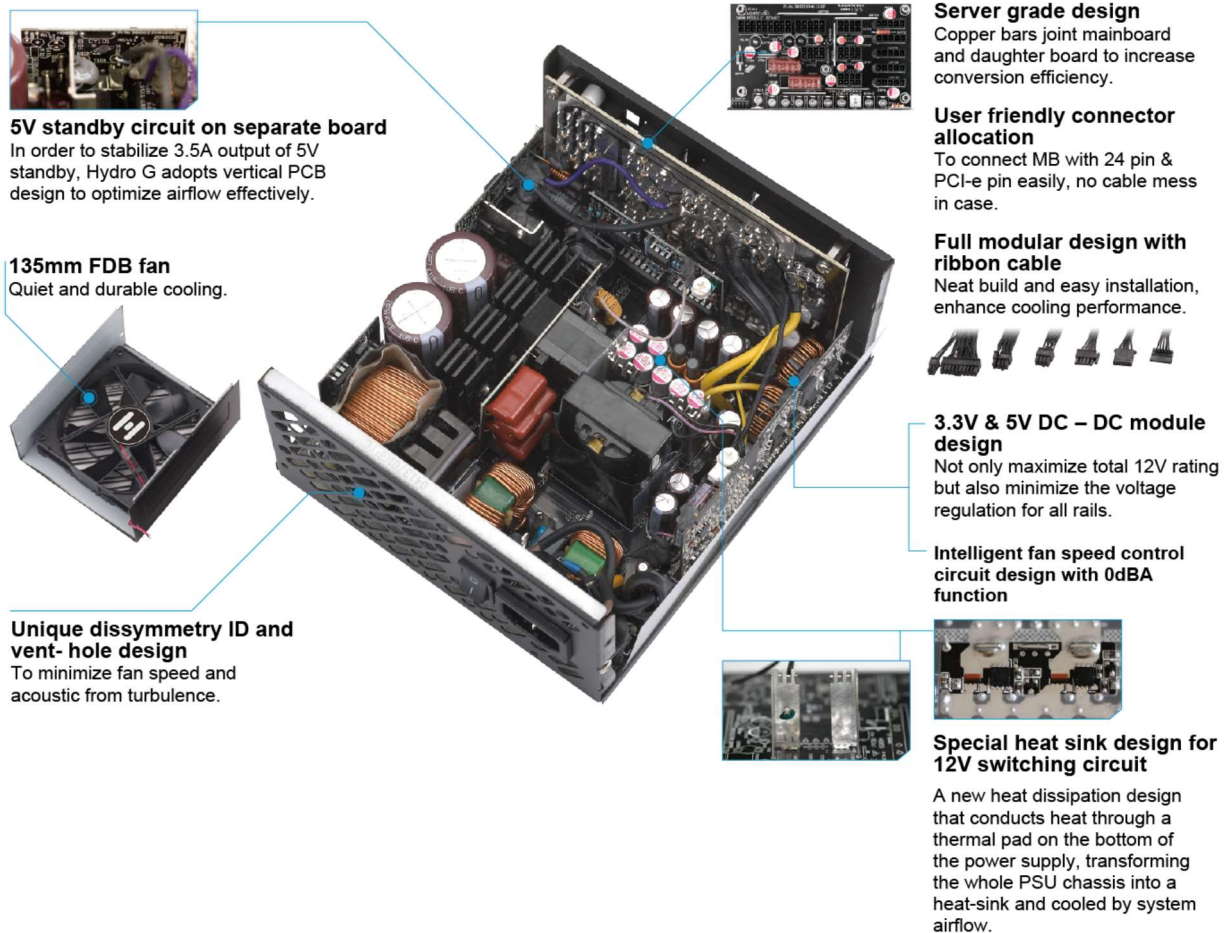
All

All



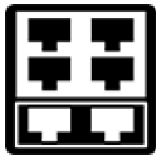
FSP Hydro G series stands for the needs of PC DIY enthusiasts and gamers who want a high end PSU with stylish ID design but do not want to compromise electronic performance at all. By server grade circuit and advanced thermal layout design, Hydro G series deliver full load (wattage) at 50°C ambient temperature. Silent operation is considered by intelligent fan speed control circuit design with 0dBA function to fulfill gamers need in playing games.





#### Features:

- Unique product ID with changeable side stickers for DIY enthusiasts and gamers
- Intelligent fan speed control circuit design with 0dBA function
- Server grade circuit and advanced thermal layout design
- Complies with newest ATX12V & EPS12V standards
- High efficiency  $\geq 90\%$
- Active PFC  $\geq 99\%$
- High wattages with 80PLUS® gold certification
- Powerful single +12V rail design
- Advanced full modular design with ribbon cables
- Full Japan-made electrolytic capacitors
- SLI and Crossfire ready
- Quiet and long-lasting 135mm FDB fan
- Full protections: OCP, OVP, SCP, OPP, UVP, OTP
- Global safety approved

**Full Modular**

Easy installation, neat build

**Ribbon Cable**

Easy installation, neat build

**100% Japan-made E-cap**












Reliable power and prolonged life span

**Zero Noise**

Intelligent fan speed control circuit design with 0dBA function

**Active PFC**Power Factor  $\geq 99\%$ **Meet ErP/EuP 2013 Standard****Intel® Haswell™ Platform Ready**

Connector Table:

Connector Type	Connector Illustration	HG650	HG750	HG850
ATX12V 24 Pin		-	-	-
ATX12V 20+4 Pin		1	1	1
CPU 8 Pin		-	-	-
CPU 4+4 Pin		1	1	1
CPU 4 Pin		-	-	-
PCI-E 2.0 6+2 (8) Pin		4	4	6
PCI-E 2.0 6 Pin		-	-	-
S-ATA		10	12	12
Molex 4 Pin		5	6	6
Floppy 4 Pin		1	2	2
Fan 2 Pin		-	-	-

## Specifications:

Model	HG650	HG750	HG850
EAN	4711140489704	4711140489698	4711140489681
Effeciency	>90%		
Input Voltage	100 ~ 240Vac		
Input Current	8.5A	10A	11A
Frequency	50 ~ 60Hz		
PFC	Active PFC (0.99)		
Power Provided	650W	750W	850W
Over-Current Protection	✓		
Over-Voltage Protection	✓		
Short-Circuit Protection	✓		
Over-Power Protection	✓		

Under-Voltage Protection	✓
Over-Temperature Protection	✓
Case Color	Black
Chassis Fan	FDB Fan, 135mm
Noise	≈ 15 dBA at 50% loading
Form Factor	ATX 12V V2.4 & EPS 12V V2.92
Safety Approval	CE, CB, TUV, C-tick
Dimensions (LxWxH) mm	150 x 170 x 86

## Power Output Table:

650W	HG650				
AC Input	100-240Vac~ 8.5-4A 50-60Hz				
DC Output	+3.3V	+5V	+12	-12V	+5Vsb
Max Output Current	25A	25A	54A	0.5A	3.5A
Max Combined Power	150W		650W	6W	17.5W
Total Power	650W				

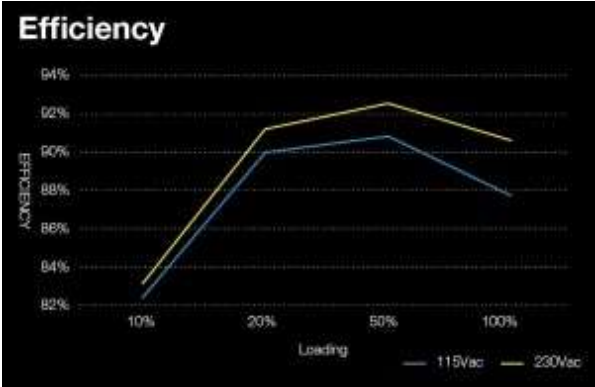
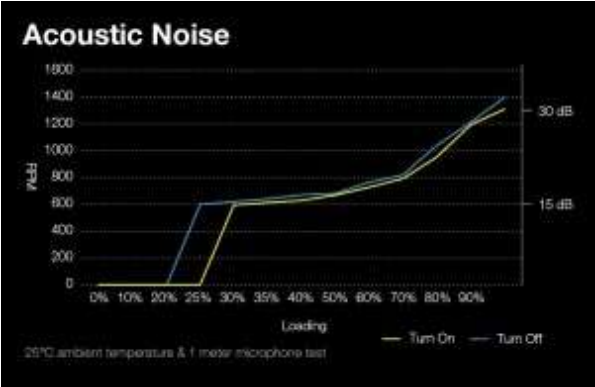
750W	HG750				
AC Input	100-240Vac~ 10-5A 50-60Hz				
DC Output	+3.3V	+5V	+12	-12V	+5Vsb
Max Output Current	25A	25A	62.5A	0.5A	3.5A
Max Combined Power	150W		750W	6W	17.5W
Total Power	750W				

850W	HG850				
AC Input	100-240Vac~ 11-5.5A 50-60Hz				
DC Output	+3.3V	+5V	+12	-12V	+5Vsb

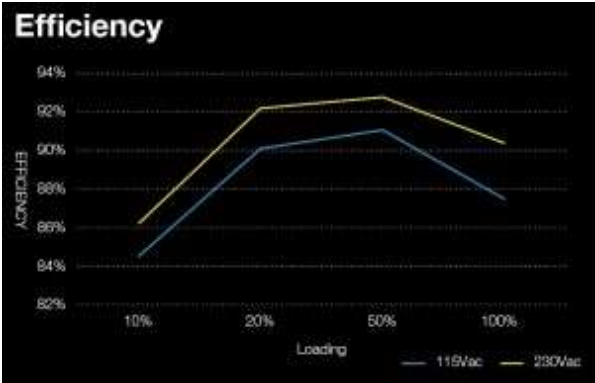
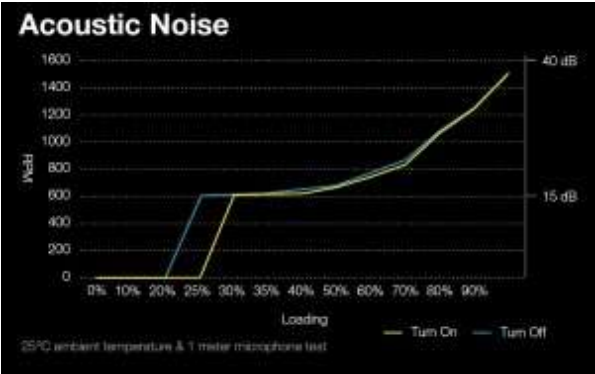
Max Output Current	25A	25A	70A	0.5A	3.5A
Max Combined Power	150W		850W	6W	17.5W
Total Power	850W				

Noise Level and Efficiency:

650W

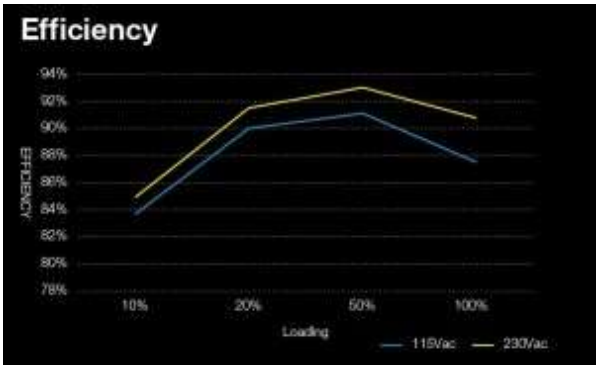
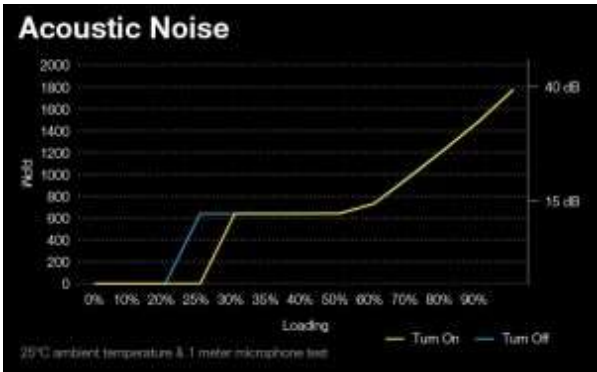


750W



850W





Award / Reviewed by:

