

# HYDRO G

The needs of PC DIY enthusiasts and gamers



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 OdBA function to fulfill gamers need in playing games.

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		-	-	-

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## 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

## Power Output Tables

650W		HG650				
AC Input	100-240Vac~ 8.5-4A 50-60Hz					
DC Output	+3.3V	+5V	+12V	-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	+12V	-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	+12V	-12V	+5Vsb	
Max Output Current	25A	25A	70A	0.5A	3.5A	
Max Combined Power	150W		850W	6W	17.5W	
Total Power	850W					



80 PLUS Certification	115V Internal Non-Redundant			
% of Rated Load	10%	20%	50%	100%
80 PLUS Gold	---	87%	90%	87%