



# Hydro G PRO

850W / 1000W

**SUPER Durable Power Supply  
with Exceptional Performance**

- Complies with ATX12V V3.0 & EPS12V V2.92
- Efficiency  $\geq$  90% at typical load
- Eco semi-fanless fan control switch
- Quiet and long-lasting 120mm FDB fan
- Ribbon cable design for enthusiasts
- +12V single-rail design
- +5V & 3.3V DC to DC module design
- Japanese electrolytic capacitors
- Changeable side stickers for DIY enthusiasts and gamers
- Complete protection: OCP, OVP, SCP, OPP, OTP, UVP



Off-Wet  
Technology



Japanese  
E-Capacitor



10 Years  
Warranty



#### About FSP

Founded in 1993 and is ranked as one of the world's leading power supply manufacturers. With a production capacity that complements a complete product line, FSP is well positioned to solve the various power supply needs of consumers. Among all manufacturers, we are the world's top holder of 80 PLUS certifications. Our best-in-class environmentally friendly and high-quality power products offer consumers a means to enjoy technology while minimizing the impact on the environment.

**1 5V Standby circuit**

It provides stable 2.5A output to enable high conversion efficiency

**2 Special heat sink design for 12V switching circuit**

A new heat dissipation design that conducts heat through a thermal pad on the bottom of the power supply, transforming the whole PSU chassis into a heat sink and cooled system airflow.

**3 3.3V & 5V DC-DC module design**

Not only maximize total 12V rating but also minimize the voltage regulation for all rails.

**4 Conformal coating from the inside out**

Hydro G Pro is covered with conformal coatings to guarantee reliable performance in a harsh environment.

**5 Eco semi-fanless function**

When Eco switch is on, the fan will not operate until the loading is over 30%.



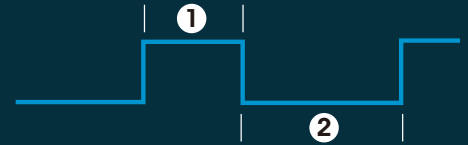
**New ATX PSU Specifications**

Updated ATX 3.0 specifications for the next-generation hardware power demands.

Unleash the full power:

Deliver power excursion 200% of PSU size

To get the best possible performance from the next-gen PCIe 5.0 desktop graphics cards and the processors.



**1** Peak Power: 2000W ;

Time for Power Excursion: 100 μs

**2** Constant Power: 817W ; Time Constant: 900 μs

\*1000W PSU for example.

**A New 12VHPWR Connector**

The PCIe Gen 5.0 (12+4) pin connector and the 12+4 pin cable.



\* Rated current up to 9.2A per contact with all 12 power contacts

\* Fully isolated terminals

**Power Rating**

Model	+3.3V	+5V	+12V	-12V	+5Vsb	Total Power
HG2-850	20A	20A	70.83A	0.3A	2.5A	850W
	120W		850W	3.6W	12.5W	
HG2-1000	20A	20A	83.33A	0.3A	2.5A	1000W
	120W		1000W	3.6W	12.5W	

**Wire Configuration**

Model /Cable	20+4 Pin 600mm	4+4 Pin 700mm	PCIe 6+2 Pin 500mm+155mm*1 650mm+155mm*2	PCIe 12+4 Pin 700mm	SATA	Molex	Floppy
HG2-850	1	2	6	1	14	5	1
HG2-1000	1	2	6	1	14	5	1

