



Optimum Performance

# Hydro GT PRO

850W / 1000W **ATX Power Supply**

Japanese  
Capacitor



450V, 105°C

High Durability

- Complies with ATX12V V3.0 & EPS12V V2.92
- Efficiency  $\geq$  90% @ typical load
- Active PFC  $\geq$  0.9
- Hold up time > 17ms @ 80% load
- 450V, 105°C Japanese main capacitors
- Japanese electrolytic capacitors
- +12V single-rail design
- +5V & 3.3V DC to DC module design
- Eco semi-fanless fan control switch
- 120mm fluid dynamic bearing (FDB) fan
- Semi-modular with black flat cables
- Complete protection: OCP/OVP/OPP/SCP/OTP



SEMI  
Modular

**+12V**  
SINGLE

Powerful +12V  
Single Rail



Semi-fanless  
FDB Fan

**LLC**  
Topology

LLC  
Topology



**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.

### LLC Topology

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

### 450V, 105°C Japanese Main Capacitors

Durable main capacitors provide superior reliability under intense current operation environment.

### Semi-fanless with 120mm FDB Fan

Under 30% loading, you will enjoy 0 dBA experience when eco semi-fanless fan control switch is on, and get the benefit of long lifespan from a 120mm fluid dynamic bearing fan.

### Dual CPU Power Connectors

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



\*The eco semi-fanless fan control switch.

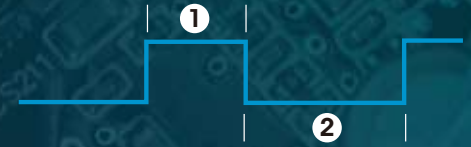
### New ATX PSU Specifications

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.



- ❶ Peak Power: 2000W ;  
Time for Power Excursion: 100 μs
- ❷ 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
HGT-850	20A	20A	70.83A	0.3A	2.5A	850W
	120W		850W	3.6W	12.5W	
HGT-1000	20A	20A	83.33A	0.3A	2.5A	1000W
	120W		1000W	3.6W	12.5W	

## Wire Configuration

Model /Cable	Direct Cable / Connector			Modular Cable / Connector				
	20+4 Pin 600mm	4+4 Pin 700mm	PCIe 6+2 Pin 500mm+155mm	4+4 Pin 700mm	PCIe 12+4Pin 700mm	PCIe 6+2 Pin 500mm+155mm	SATA	Molex
HGT-850 HGT-1000	1	1	2	1	1	2	10	2

