



# HydroPTM PRO

Focus on Ultra Durability, Pursuit of Perfection

**850W / 1000W / 1200W**

- Complies with ATX12V V3.0 & EPS12V V2.92
- Efficiency  $\geq 92\%$  @ typical load
- Eco semi-fanless fan control switch
- Quiet and long-lasting 135mm 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/OPP/SCP/OTP/UVP



## 1 5V Standby circuit

It provides stable 3A output to enable high conversion efficiency.

## 2 Reliable quality you can trust

Selected 450V, 105°C electrolytic capacitor provides superior reliability under intense current operation environment.

## 3 Off-Wet technology

The conformal coating which protects the power supply and its internal components from dust, humidity, stains and harsh environments, the Hydro PTM PRO series are tested to work perfectly even in 95% relative humidity.

## 4 Eco semi-fanless function

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



## 5 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.

## 6 Conformal coating from the inside out

Hydro PTM PRO is covered with conformal coatings to guarantee reliable performance in a harsh environment.

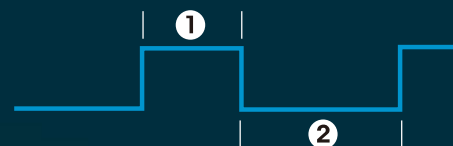


## New ATX PSU Specifications

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 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 (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

\* The 12VHPWR connector that uses 16AWGwires

## Power Rating

Model	+3.3V	+5V	+12V	-12V	+5Vsb	Total Power
HPT2-850M	20A	20A	70.83A	0.3A	3A	850W
	120W		850W	18.6W		
HPT2-1000M	20A	20A	83.33A	0.3A	3A	1000W
	120W		1000W	18.6W		
HPT2-1200M	20A	20A	100A	0.3A	3A	1200W
	120W		1200W	18.6W		

## Wire Configuration

Model /Cable	20+4 Pin 600mm	4+4 Pin 700mm*1 700+150mm*1	PCIe 6+2 Pin 650+150mm*3	PCIe 12+4 Pin 700mm	SATA	Molex	Floppy
HPT2-850M HPT2-1000M HPT2-1200M	1	3	6	1	14	5	1

