

AP-PS2MK10P868

1000W 80 PLUS Platinum Industrial ATX 3.1 Power Supply



Product Overview

The Athena Power AP-PS2MK10P868 is a high-performance 1000W industrial-grade power supply designed for professional workstations, industrial computing systems, edge servers, and GPU-intensive platforms.

Engineered to comply with ATX 3.1 and PCIe 5.0 standards and equipped with the latest 12V-2x6 (H++) connector, this PSU delivers stable, high-current output for next-generation GPUs and demanding computing applications.

With 80 PLUS Platinum efficiency, low ripple noise, and dual smart thermal-controlled cooling fans, the AP-PS2MK10P868 ensures high reliability, energy savings, and long operational lifespan.

Key Selling Points

- 1000W Continuous Power Output
- 80 PLUS Platinum Certified – Up to 92% Efficiency
- ATX 3.1 & PCIe 5.0 Ready
- Next-Generation 12V-2x6 (H++) GPU Connector
- Industrial-Grade Low Ripple Output
- Dual Smart Thermal-Controlled Cooling Fans
- Universal 100–240V AC Input
- IEC/UL 62368-1 Certified
- 5-Year Limited Manufacturer Warranty

Electrical Specifications

Rated Power	1000 Watts
Input Voltage	100 – 240V AC
Frequency	50/60 Hz
Power Factor	Active PFC
Efficiency	80 PLUS Platinum (Up to 92%)
Hold-Up Time	≥17 ms at Nominal Input
Rise Time	<20 ms
MTBF	100,000 Hours @ 25°C

DC Output Ratings

Rail	+3.3V	+5V	+12V	-12V	+5VSB
Current	18A	18A	82A	0.5A	3.0A

Connectors & Cable Configuration

1000W	Connector				
Cable	Type	Qty		Type	Qty
1	ATX 24-Pin (20+4)	1			
2	8-Pin CPU	1	+	(4+4) CPU	1
3	SATA	4	+	Molex 4 Pin	1
4	SATA	4	+	Molex 4 Pin	1
5	PCIe 6+2 Pin	1			
6	PCIe 6+2 Pin	1			
7	12V-2x6 (H++)	1			
Note : Cable Color: Black					

Mechanical Specifications

Dimensions (D x W x H)	158 x 150 x 86 mm (6.22 x 5.9 x 3.4 in)
Weight	5.0 lbs
Operating Temperature	0°C to +50°C (Full Load)
Storage Temperature	-20°C to +80°C
Warranty	5-Year Limited Manufacturer Warranty

Compliance & Safety

- IEC/UL 62368-1 Certified
- ATX 3.1 Compliant
- PCIe 5.0 Ready
- RoHS Compliant
- CE / FCC Compliant
- Industrial Low Ripple Design

Application Areas

- AI / Deep Learning Workstations
- Industrial Computing Systems
- Edge Servers
- High-End Gaming Systems
- GPU Compute Platforms
- Mission-Critical Environments