



ADVAN GM

850W | PCIe 5.1 | ATX 3.1



10 Year Warranty

Complies with Intel® Power Design Guide ATX 3.1

ADVAN GM series is compatible with the latest ATX 3.1 regulation to support up to 200% power excursion and with the new interface of PCIe 12V-2x6 connector to ensure peak performance with future hardware upgrades.

ATX 3.1 **2X**
ATX 2.0 1.3X

2X Total Power Excursion | **3X** GPU Power Excursion

LLC Resonant-converter Topology with Synchronous Rectifier

Reducing switching losses, boosting efficiency, and keeping the output voltage regulated under load conditions.

80 PLUS GOLD

High Efficiency in Gold-certified

Certified by world-class organizations 80 PLUS @ gold certified for lower power loss, less heat, and quieter operation.

ECO Switch with ZERO RPM Silent Operation

Activating the eco semi-fanless fan control switch, when the PSU operates at less than 40% capacity, will ensure the fan does not run, resulting in silent operation.

120 mm Hydraulic Bearing (HYB) Fan

Quality bearing keeps fan noise to a minimum while providing maximum cooling performance.

Fully Modular Cabling Design

To make power supply installation easy and allows users to use only the needed cables, improving airflow and reducing system clutter.

The Force Comes with You

Dual PCIe 6+2Pin cables and a versatile 12V-2x6 cable offer flexible configuration for even the most power-hungry NVIDIA or AMD graphics cards.

+5V & 3.3V DC to DC Circuit Design

Increase the efficiency and stabilize the output voltage to ensure system stability.

105°C Japanese Bulk Capacitor

Maximize reliability and performance by using top-quality Japanese electrolytic capacitors for a longer lifespan.

Powerhouse Single +12V Rail

This high-amperage +12V rail delivers high load capabilities, it's ideal for intensive workloads of high-performance CPUs and graphics cards.

Premium, Black Embossed Cables

Featuring improved black, embossed cables that are soft and easy to bend, users can manage them more easily, saving time and creating more space for optimal cooling performance in your PC build.

Fortress-level Protection

Our comprehensive circuit shields your valuable components from harm.

- OVP** Over Voltage Protection
- OCP** Over Current Protection
- OPP** Over Power Protection
- OTP** Over Temperature Protection
- SCP** Short Circuit Protection
- UVP** Under Voltage Protection
- SIP** Surge and Inrush Protection
- NLO** No-load Operation

MB 20+4 PIN 1 cable 1 connector Cable Information: 600mm	CPU 4+4 PIN 2 cables 2 connectors Cable Information: 700mm
PCIe 6+2 PIN 1 cable 2 connectors Cable Information: 500mm - 155mm	PCIe 6+2 PIN 1 cable 2 connectors Cable Information: 650mm - 155mm
PCIe 12V-2x6 1 cable 1 connector Cable Information: 700mm	SATA 1 cable 4 connectors Cable Information: 500mm - 155mm - 155mm - 155mm
SATA 1 cable 4 connectors Cable Information: 500mm - 155mm - 155mm - 155mm	MOLEX 1 cable 4 connectors Cable Information: 500mm - 155mm - 155mm - 155mm

Performance

Efficiency 850W

850W Acoustic Noise (20°C ambient temperature & meter microphone test)

AC/DC

AC Input	100-240V ~ 11-5.5A 50-60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current	20A	20A	70.83A	0.3A	3A
Max Combined Power	100W		850W	3.6W	15W
Total Power	850W				

SPECIFICATIONS

Model	ADVAN-850GM
Rated Output Power	850W
Form Factor	ATX12V V3.1
80 PLUS Certification	Gold
Input Voltage	100-240V
Input Current	5.5A
PFC	Active ≥ 0.9
Efficiency(at typical load)	Efficiency ≥ 90% at typical load
Fan Type	HYB Bearing, 120mm
Dimensions(L x W x H)	140x150x86 mm
Operation Temp.	40°C
Protection	OVP, OCP, OPP, OTP, SCP, UVP, SIP, NLO
Warranty	10 Years