

DarkFlash EMT850 computer power supply (black)



Model: EMT850 Black

Manufacturer: DARKFLASH

EAN: 4711527005671

Product Code: 884443

R2,236

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The DarkFlash EMT850 power supply is a unit with a total power of 850 W, designed in the ATX standard (140 × 150 × 86 mm). The single +12 V line design delivers up to 70 A, making it suitable for the latest processors and graphics cards. In addition, the 80 PLUS Bronze certification confirms high energy efficiency of up to 87.03%. This reduces energy loss and ensures stable operation under load.

Single +12 V rail and DC-to-DC conversion

The use of a single +12 V rail with DC-to-DC conversion allows up to 98% of the available power to be delivered to the most important components of the system. This system converts +5 V and +3.3 V voltages directly from the +12 V line, ensuring high stability and low fluctuations even under

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variable loads. This solution promotes the reliable operation of modern processors and graphics cards with high energy requirements.

High efficiency and 80 PLUS Bronze certification

80 PLUS Bronze certification guarantees high energy efficiency at typical load levels. Efficiency of up to 87.03% means less energy loss converted into heat, which translates into more stable operation of the entire system. This characteristic also helps to reduce power consumption and maintain appropriate power supply parameters during intensive computer operation.

Active PFC and power stability

The power supply is equipped with an active PFC system with up to 98% efficiency, which improves the power factor and increases the energy efficiency of the entire unit. This solution reduces energy losses, limits heat generation, and reduces electromagnetic interference. As a result, the power supply provides stable power to all computer components.

High-quality components and Japanese capacitors

Japanese electrolytic capacitors with an operating temperature of up to 105°C are used inside the power supply. High-quality components and a solid internal design ensure stable operation and reliability even under long-term load. In addition, the use of switching transformers, EMI filters, and heat sinks that limit heating supports the safe and efficient operation of the unit.

Quiet and intelligent cooling

A 120 mm fan with FDB (Fluid Dynamic Bearing) is responsible for cooling the power supply, which is characterized by low noise and high durability. An intelligent temperature control system automatically adjusts its speed to the current load. In addition, there are honeycomb ventilation holes at the rear of the device and longitudinal holes at the front – this solution increases the heat dissipation surface and allows for efficient air flow.

Comprehensive system protection

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The DarkFlash EMT850 is equipped with a 6-level protection system that protects both the power supply and computer components. It includes protection against overvoltage, overload, overcurrent, short circuit, overheating, and undervoltage. All this increases the safety and stability of the system in various conditions.

Low power consumption in standby mode

The EMT850 is designed for high energy efficiency, even in standby mode. The system's power consumption in standby mode is less than 0.5 W, which reduces unnecessary consumption. This solution minimizes energy loss, supports energy-efficient computer operation, and promotes long-term, stable power supply operation.

Wide compatibility

The power supply has a non-modular design with flat cables, which facilitates cable management and improves airflow inside the case. The unit offers 20+4-pin connectors for the motherboard, 8-pin (4+4) connectors for the processor, 6+2-pin PCI-E connectors for graphics cards, and SATA and IDE connectors for powering drives. The EMT850 model is fully compatible with modern Intel and AMD processors, as well as NVIDIA and AMD Radeon graphics cards – it will also work well in configurations with multiple GPUs. What's more, thanks to its small dimensions (140 × 150 × 86 mm), the power supply fits into most PC cases.

Manufacturer	Darkflash
Model	EMT850
Color	Black
Total power	850 W
Power consumption in standby mode	Less than 0.5 W
Dimensions	140 × 150 × 86 mm
Efficiency certification	80 PLUS Bronze

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Fan bearing type	FDB
Input voltage	100-240 V
Input frequency	50-60 Hz
Capacitors	Japanese 105°C
Weight	Approx. 1.86 kg
Cooling	120 mm FDB fan
Protections	Over Voltage Protection (OVP), Over Power Protection (OPP), overcurrent (OCP), short circuit (SCP), overheating (OTP), and undervoltage (UVP)

Compatible processors Intel, AMD

GPSR Link: https://psr-assets.innpro.pl/gaming/sg_gaming_pc_power_supplies.pdf, Gross weight: 1910, Net weight: 1200, Box length: 27,50, Box width: 18,00, Box height: 11,00

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