

Professional 630 Watt ATX12V 2.3 80 Plus Computer Modular Power Supply

StarTech ID: ATX2PW630PRO



This 630 Watt Modular Power Supply is 80 Plus® certified, making it suitable as an energy efficient replacement/upgrade power supply for desktop PCs.

This ATX12V PSU features Active Power Factor Correction and 20/24-pin motherboard support to deliver the flexibility needed to support AMD or Intel CPU-based entry-level servers and high-end workstations, while providing stable power and maximum energy efficiency.

Compliant with ATX12V 2.3 standards, this EPS12V 2.91 power supply offers four 12V power rails, an 8-pin EPS connector, and a modular cable design, enabling you to choose the connectors you require based on your system configuration. The power supply also features a 120mm fan for quieter, more efficient cooling in demanding systems.

Designed to provide dependable, long-lasting power, this higher level 630 Watt ATX12V 2.3 EPS12V power supply meets or exceeds 80 Plus standards, providing 80% or greater efficiency at 20%, 50% and 100% loads and is backed by StarTech.com's 3-year warranty.

Applications

- Replacing an older, less reliable power supply
- Upgrading or building an energy-efficient PC with a more efficient, 80 Plus-certified power supply
- Upgrading existing systems to meet new system requirements for SATA drive connections and PCIe graphics

Features

- Higher efficiency, 80 Plus® certification
- Modular cable design
- Full support for Intel and AMD based ATX systems
- Four 12V rails for more consistent and reliable power
- Active Power Factor Correction (A-PFC)
- Protection: Short Circuit Protection (SCP), Over Voltage Protection (OVP), Over Current Protection (OCP), Over Power Protection (OPP), Over Temperature Protection (OTP)
- Complies with EPS12V rev 2.8 and 2.92 specifications
- Built to ATX12V 2.3 standards for maximum system compatibility
- 110~240VAC auto switching power supply
- High quality nickel-plated finish

Technical Specifications

Warranty	3 Years
Fans	1 - 120 mm
Fan Bearing Type	Dual Ball Bearing
Output Connectors	1 - ATX 12V EPS Split Power (4+4 pin) Female
Output Connectors	1 - ATX Split Power (20+4 pin; v 2.x) Male
Output Connectors	1 - PCI Express Power (6 pin; v 1.x) Female
Output Connectors	1 - SP4 (4 pin; Small Drive Power) Female
Output Connectors	2 - PCI Express Power (8 pin; v 2.x) Female
Output Connectors	3 - LP4 (4 pin; Molex Large Drive Power) Female
Output Connectors	6 - SATA Power (15 pin) Receptacle
Fan RPM	3000 RPM +/-10%
Air Flow Rate	43.94 CFM
Noise Level	31.3 dBA
Output Power	630W
Peak Power Output	700W
Power Factor Correction	Active
Efficiency Rating	85.39% @20%/130W 85.29% @50%/323W 80.02% @100%/636W
MTBF	100,000 Hours
Color	Gray
Enclosure Type	Nickel-plated Steel
Product Length	5.6 in [141 mm]
Product Width	5.9 in [150 mm]
Product Height	3.4 in [86 mm]
Product Weight	4.6 lb [2.1 kg]
Input Voltage Frequency	47~63Hz
Max Inrush Current	60A @ 110VAC / 120A @ 220VAC
Current -12.0V (A)	0.5A
Current +12.0V1 (A)	20A
Current +12.0V2 (A)	20A
Current +12.0V3 (A)	20A
Current +12.0V4 (A)	20A
Current +3.3V (A)	24A
Current +5.0V (A)	24A

Current +5.0Vsb (A)	2.5A
Input Voltage	110 ~ 240 AC
Input Current	10A @ 115VAC / 5A @ 230VAC
Operating Temperature	05/8/2012eg;C to 405/8/2012eg;C (325/8/2012eg;F to 1045/8/2012eg;F) @ 90% Load
Storage Temperature	-205/8/2012eg;C to 805/8/2012eg;C (-45/8/2012eg;F to 1765/8/2012eg;F)
Humidity	10~90% RH
Shipping (Package) Weight	5.7 lb [2.6 kg]
Included in Package	1 - 630W Modular ATX Power Supply
Included in Package	1 - 3x LP4 + 1x SP4 Modular Cable
Included in Package	1 - 3x SATA Modular Cable
Included in Package	1 - 6pin PCI Express Modular Cable
Included in Package	1 - 8pin (6+2) PCI Express Modular Cable
Included in Package	3 - Power Cord (NA/UK/EU)
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

