

be quiet! Straight Power 12 power supply unit



Artikel
Herstellernummer
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be quiet!

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World Class Quiet and Efficiency

Straight Power 12 is a future-proof ATX 3.1 power supply with 80 PLUS® Platinum certification and virtually inaudible operation.

80 PLUS® PLATINUM CERTIFIED

Highly efficient operation

Straight Power 12 1500W is certified with 80 PLUS Platinum and an energy efficiency rating of up to 93.9%. This provides lots of benefits for your high-end system, including less power consumption and an overall cooler and quieter operation.

FUTURE-PROOF YOUR SYSTEM

Fulfills all ATX 3.1 specifications

Straight Power 12 1500W is an ATX 3.1 PSU and comes with both native integration of 12V-2x6 connectors for next-generation PCIe 5.1 graphics cards, and 4 PCIe 6+2-pin connectors for support of current-gen GPUs. This makes the PSU extremely versatile and the perfect choice for powerful systems of today and the ones to come.

THE NEW STANDARD OF POWER

For massive transient loads

Straight Power 12 offers 1500W of continuous power with one massive 12V rail. Even if the graphics card demands excessive power for a short time: Straight Power 12 1500W handles power excursions up to double its rated power with ease. This ensures reliable operation with the next generation of processors and graphics cards.

SILENT WINGS FAN

Provides virtually inaudible operation

The high-end Silent Wings fan delivers best-of-class airflow yet produces very little noise. This is thanks to its unique, optimized fan blade design along with an advanced fluid-dynamic bearing and 6-pole fan motor that largely eliminates operational noise, has a super-long life and minimal power consumption.

FLAWLESS COOLING CONCEPT

For a longer lifespan

The funnel-shaped fan inlet of the Straight Power 12 1500W increases airflow while reducing unwanted turbulence for a higher cooling performance. The wire-free design inside allows the cool air to reach all components which ultimately leads to a longer lifespan.

STATE-OF-THE-ART TECHNOLOGIES

Rock-steady signal stability and efficiency

With full bridge LLC Straight Power 12 1500W offers advanced technologies, resulting in higher efficiency, better regulation and lower ripple noise for an incomparably stable operation.

JAPANESE 105°C CAPACITORS

A testament to high quality

Only premium components are used in Straight Power 12 1500W. That is why this PSU features exclusively high-quality Japanese capacitors. They are rated at 105°C for stability, reliability, and a long operating life.

CONVENIENCE AND CONNECTIVITY

Maximum utility

Modular, sleeved cables of up to 100cm in length simplify component installation and reduce annoying clutter. This results in increased airflow and improved cooling - even in the largest PC cases.

Zusammenfassung

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be quiet! Straight Power 12, 750 W, 110 - 240 V, 820 W, 50/60 Hz, 10/5 A, 130 W

be quiet! Straight Power 12. Total power: 750 W, AC input voltage: 110 - 240 V, Peak power: 820 W. Motherboard power connector:

20+4 pin ATX, Motherboard power cable length: 60 cm, SATA power cable length: 550,700,850,1000 mm. Purpose: PC, Power supply unit (PSU) form factor: ATX, 80 PLUS certification: 80 PLUS Platinum. Product colour: Black, Cooling type: Active, Fan diameter: 13.5 cm. Cables included: CPU, SATA

Merkmale

Certificates

Compliance certificates	CE, Federal Communications Commission (FCC), RoHS, UKCA, WEEE
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Operational conditions

Operating temperature (T-T)	0 - 40 °C
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Technical details

Sustainability compliance	Yes
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Packaging content

Cables included	CPU, SATA
Cable tie(s) included	Yes

Weight & dimensions

Width	150 mm
Depth	160 mm
Height	86 mm
Weight	1.76 kg

Packaging data

Package width	248 mm
Package depth	328 mm
Package height	102 mm
Package weight	3.47 kg
Package type	Box

Design

Product colour	Black
Cooling type	Active
Fan diameter	13.5 cm
Number of fans	1 fan(s)
Fan speed	0 - 1800 RPM
On/off switch	Yes

Logistics data

Shipping (inner) case length	65.1 cm
Shipping (inner) case width	28.2 cm
Shipping (inner) case height	34.6 cm
Shipping (inner) case net weight	22.4 kg
Products per shipping (inner) case	6 pc(s)
Warranty period	10 year(s)

Performance

80 PLUS certification	80 PLUS Platinum
Supported motherboard form factors	ATX, micro ATX, Mini-ATX
Purpose	PC
Power supply unit (PSU) form factor	ATX
ATX version	3.1
EPS version	2.92
Noise level	20.8 dB
Bearing technology	FDB
Mean time between failures (MTBF)	100000 h

Ports & interfaces

Motherboard power connector	20+4 pin ATX
Motherboard power cable length	60 cm
Number of SATA power connectors	9
Number of PATA power connectors	2
SATA power cable length	550,700,850,1000 mm
Peripheral (Molex) power cable length	1000,850 mm
EPS power connector (8-pin)	Yes
EPS power connector (4+4 pin)	Yes
PCI Express power connectors (6+2 pin)	4
PCI Express power connectors (16-pin)	1
PCI Express power cable length	60 cm
CPU power cable length	70 cm
Cabling type	Fully-Modular

Power

Total power	750 W
Peak power	820 W
AC input voltage	110 - 240 V
AC input frequency	50/60 Hz
Input current	10/5 A
Power factor	0.99
Combined power (+3.3V)	130 W
Combined power (+12V)	750 W
Combined power (+5V)	130 W
Max output current (+3.3V)	25 A
Max output current (+12V)	62.5 A
Max output current (+5V)	25 A
Max output current (-12V)	0.3 A
Max output current (+5Vsb)	3 A
Hold time	24.8 ms
Efficiency	92.9%
Power protection features	Over current, Over power, Over voltage, Overheating, Short circuit, Under voltage

Preisänderungen und Irrtümer vorbehalten. Alle Produkte solange der Vorrat reicht.