

DEVELOPED
IN GERMANY

be quiet!®



PURE POWER 12

EXCEPTIONAL QUIET, SUPERIOR FEATURES

1000W • 850W • 750W • 650W • 550W

IDEAL APPLICATIONS

Gaming systems with latest graphic cards
Silent PC builds
Office applications
Home theater systems

HIGHLIGHTS

80 PLUS® Gold efficiency
Fulfills all ATX 3.1 specifications
Exceptionally silent be quiet! fan

Exceptional Quiet, Superior Features

Pure Power 12 M is ATX 3.1 compliant and PCIe 5.1 compatible, offers 80 PLUS® Gold efficiency and a silence-optimized 120mm be quiet! fan.

Highlights

- 80 PLUS® Gold efficiency (up to 92.9%)
- ATX 3.1 PSU with full support for PCIe 5.1 GPUs and GPUs with 6+2 pin connectors
- Handles massive power excursions
- Exceptionally silent 120mm be quiet! fan
- Advanced stability and voltage regulation thanks to LLC technology
- One massive high-performance 12V-rail
- One PCIe 5.1 12V-2x6 with up to 600W and up to 3 PCIe 6+2 connectors for overclocked high-end GPUs
- Full suite of safety features
- Meets latest requirements for modern standby
- 10-year manufacturer's warranty



PURE POWER 12

EXCEPTIONAL QUIET, SUPERIOR FEATURES

| Technical Data | | | |
|-------------------------------------|--|----------------------------------|----------------------------------|
| IN GENERAL | Model | 1000W | 850W |
| | Article no. | BP005EU | BP004EU |
| | EAN code | 4260052191200 | 4260052191194 |
| | Voltage (Vac) / Frequency (Hz) | 100-240 / 50-60 | |
| | Dimensions (L x W x H) (mm) | 160 x 150 x 86 | |
| | ATX 12V 3.1 / EPS 12V 2.92 | ✓ / ✓ | |
| | Silence-optimized be quiet! fan (mm) | 120 | |
| | Noise level (dB(A)) at 10 / 20 / 50 / 100% load | 8.6 / 8.9 / 9.0 / 31.6 | 8.7 / 8.7 / 9.0 / 25.1 |
| | 12V rail (Multi-Rail) / 12V Single Rail | - / ✓ | |
| | Overclocking Key / Jumper | - / - | |
| | Power good signal (ms) | 100-150 | |
| | PFC | active | |
| | Certification | 80 PLUS® Gold | |
| | Efficiency (%) at 230V, 2% / 10% / 20% / 50% / 100% load | 66.3 / 89.2 / 92.7 / 92.9 / 90.6 | 66.6 / 88.9 / 92.2 / 92.7 / 90.5 |
| | Energy Star 8.0 compatible | ✓ | |
| | ErP ready / Power in stand-by (W) | ✓ / <0.1 | |
| | OCP, OVP, UVP, SCP, OPP, OTP, SIP | ✓ | |
| | Lifetime of PSU at 25°C (h) | >100,000 | |
| | CABLES | No. of cables | 8 |
| Maximum cable length (cm) | | 60 | |
| Length of ATX-connection cable (cm) | | 55 | |
| Modular cable management | | - | |
| Sleeved cables | | 20+4 Pin, 12V-2x6 | |
| Flat cables | | P4+4, P8, PCIe, drives | |
| CONNECTORS | ATX Motherboard (20+4 pin) | ✓ | |
| | 12V-2x6 cable W | 1 600 | |
| | PCI-express (6+2-pin) | 3 | |
| | P8/P4 connector | 1x P4+4, 1x P8 | |
| | S-ATA | 6 | |
| | P-ATA | 1 | |

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EXCEPTIONAL QUIET, SUPERIOR FEATURES

| Technical Data | | | | |
|-----------------------------|--|----------------------------------|----------------------------------|----------------------------------|
| IN GENERAL | Model | 750W | 650W | 550W |
| | Article no. | BP003EU | BP002EU | BP001EU |
| | EAN code | 4260052191187 | 4260052191170 | 4260052191163 |
| | Voltage (Vac) / Frequency (Hz) | 100-240 / 50-60 | | |
| | Dimensions (L x W x H) (mm) | 160 x 150 x 86 | | |
| | ATX 12V 3.1 / EPS 12V 2.92 | ✓ / ✓ | | |
| | Silence-optimized be quiet! fan (mm) | 120 | | |
| | Noise level (dB(A)) at 10 / 20 / 50 / 100% load | 8.7 / 8.7 / 8.8 / 22.5 | 8.8 / 9.1 / 9.2 / 18.2 | 9.0 / 9.2 / 9.4 / 14.6 |
| | 12V rail (Multi-Rail) / 12V Single Rail | - / ✓ | | |
| | Overclocking Key / Jumper | - / - | | |
| | Power good signal (ms) | 100-150 | | |
| | PFC | active | | |
| | Certification | 80 PLUS® Gold | | |
| | Efficiency (%) at 230V, 2% / 10% / 20% / 50% / 100% load | 68.4 / 88.5 / 92.1 / 92.8 / 90.7 | 65.8 / 87.8 / 91.6 / 92.7 / 91.0 | 63.0 / 86.5 / 90.9 / 92.4 / 91.2 |
| | Energy Star 8.0 compatible | ✓ | | |
| | ErP ready / Power in stand-by (W) | ✓ / <0.1 | | |
| | OC, OVP, UVP, SCP, OPP, OTP, SIP | ✓ | | |
| Lifetime of PSU at 25°C (h) | >100,000 | | | |
| CABLES | No. of cables | 8 | 7 | 6 |
| | Maximum cable length (cm) | 60 | | |
| | Length of ATX-connection cable (cm) | 55 | | |
| | Modular cable management | - | | |
| | Sleeved cables | 20+4-Pin | | |
| | Flat cables | P4+4, P8, PCIe, drives | P4+4, P4, PCIe, drives | P4+4, PCIe, drives |
| CONNECTORS | ATX Motherboard (20+4 pin) | ✓ | | |
| | 12V-2x6 cable I W | 1 600 | 1 450 | 1 300 |
| | PCI-express (6+2-pin) | 3 | 2 | |
| | P8/P4 connector | 1x P4+4, 1x P8 | 1x P4+4, 1x P4 | 1x P4+4 |
| | S-ATA | 6 | 5 | |
| | P-ATA | 1 | | |







| Output Data | | | | | | |
|------------------------|---------------------|--------------------------------|-----|-------|------|------|
| Pure Power 12 1000W | AC Input | 110 - 240Vac 50 - 60Hz 12 - 6A | | | | |
| | DC Output | 3.3V | 5V | 12V | -12V | 5VSB |
| | Max. Current | 22A | 22A | 83.3A | 0.3A | 3A |
| | Max. Combined Power | 120W | | 1000W | 3.6W | 15W |
| 1000W | | | | | | |
| Pure Power 12 850W | AC Input | 100 - 240Vac 50 - 60Hz 12 - 6A | | | | |
| | DC Output | 3.3V | 5V | 12V | -12V | 5VSB |
| | Max. Current | 22A | 22A | 70.8A | 0.3A | 3A |
| | Max. Combined Power | 120W | | 850W | 3.6W | 15W |
| 850W | | | | | | |
| Pure Power 12 750W | AC Input | 100 - 240Vac 50 - 60Hz 10 - 5A | | | | |
| | DC Output | 3.3V | 5V | 12V | -12V | 5VSB |
| | Max. Current | 20A | 20A | 62.5A | 0.3A | 3A |
| | Max. Combined Power | 120W | | 750W | 3.6W | 15W |
| 750W | | | | | | |
| Pure Power 12 650W | AC Input | 100 - 240Vac 50 - 60Hz 10 - 5A | | | | |
| | DC Output | 3.3V | 5V | 12V | -12V | 5VSB |
| | Max. Current | 20A | 20A | 54.1A | 0.3A | 3A |
| | Max. Combined Power | 120W | | 650W | 3.6W | 15W |
| 650W | | | | | | |
| Pure Power 12 550W | AC Input | 100 - 240Vac 50 - 60Hz 10 - 5A | | | | |
| | DC Output | 3.3V | 5V | 12V | -12V | 5VSB |
| | Max. Current | 20A | 20A | 45.8A | 0.3A | 3A |
| | Max. Combined Power | 120W | | 550W | 3.6W | 15W |
| 550W | | | | | | |

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EXCEPTIONAL QUIET, SUPERIOR FEATURES





| Logistics data | | | |
|------------------|---------------------|-------------|---------------|
| Region | Model | Article no. | EAN code |
| EU | Pure Power 12 1000W | BP005EU | 4260052191200 |
| EU | Pure Power 12 850W | BP004EU | 4260052191194 |
| EU | Pure Power 12 750W | BP003EU | 4260052191187 |
| EU | Pure Power 12 650W | BP002EU | 4260052191170 |
| EU | Pure Power 12 550W | BP001EU | 4260052191163 |
| US | Pure Power 12 1000W | BP005US | 4260052191255 |
| US | Pure Power 12 850W | BP004US | 4260052191248 |
| US | Pure Power 12 750W | BP003US | 4260052191231 |
| US | Pure Power 12 650W | BP002US | 4260052191224 |
| US | Pure Power 12 550W | BP001US | 4260052191217 |
| ROW US powercord | Pure Power 12 1000W | BP005U2 | 4260052191309 |
| ROW US powercord | Pure Power 12 850W | BP004U2 | 4260052191293 |
| ROW US powercord | Pure Power 12 750W | BP003U2 | 4260052191286 |
| ROW US powercord | Pure Power 12 650W | BP002U2 | 4260052191279 |
| ROW US powercord | Pure Power 12 550W | BP001U2 | 4260052191262 |

Certifications

Type Approved
Safety
Regular Production
Surveillance

www.tuv.com
ID: 000025878

UK Authorised Representative (for authorities only) ProductIP (UK) Ltd. 8, Northumberland Av. London WC2N 5BY

Contact

be quiet! Headquarters

Service hotline: +49 40 7367 686 44
e-mail: service@bequiet.com

Listan GmbH
Wilhelm-Bergner-Straße 11c
21509 Glinde
Germany

Visit the contact section on bequiet.com for the right regional service information.