

PURE POWER 12 M

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 3.0 specifications
Exceptionally silent be quiet! fan
Modular cables

Exceptional Quiet, Superior Features

Pure Power 12 M is ATX 3.0 compliant and PCIe 5.0 compatible, offers 80 PLUS® Gold efficiency and a silence-optimized 120mm be quiet! fan.

Highlights

- 80 PLUS® Gold efficiency (up to 93.2%)
- ATX 3.0 PSU with full support for PCIe 5.0 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
- 2 strong 12V-rails
- Modular cables for maximum build flexibility
- One PCIe 5.0 12VHPWR with up to 600W and up to 4 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 M

EXCEPTIONAL QUIET, SUPERIOR FEATURES

| Technical Data | | | |
|----------------|--|----------------------------------|----------------------------------|
| IN GENERAL | Model | 1000W | 850W |
| | Article no. | BN345 | BN344 |
| | EAN code | 4260052189504 | 4260052189498 |
| | Voltage (Vac) / Frequency (Hz) | 100-240 / 50-60 | |
| | Dimensions (L x W x H) (mm) | 160 x 150 x 86 | |
| | ATX 12V 3.0 / ATX 12V 2.x / EPS 12V 2.92 | ✓ / ✓ / ✓ | |
| | Silence-optimized be quiet! fan (mm) | 120 | |
| | Noise level (dB(A)) at 10 / 20 / 50 / 100% load | 9.3 / 9.3 / 9.6 / 31.7 | 9.3 / 9.4 / 9.5 / 25.7 |
| | 12V rail (Multi-Rail) / 12V Single Rail | 2 / - | |
| | Overclocking Key / Jumper | - / - | |
| | Power Good signal | 100-150ms | |
| | PFC | active | |
| | Certification | 80 PLUS® Gold | |
| | Efficiency (%) at 230V, 2% / 10% / 20% / 50% / 100% load | 75.9 / 88.4 / 92.3 / 93.1 / 90.8 | 73.8 / 87.1 / 91.7 / 93.2 / 91.2 |
| | Energy Star 8.0 compatible | ✓ | |
| | ErP ready / Power in stand-by (W) | ✓ / <0.1 | |
| | OCP, OVP, UVP, SCP, OPP, OTP | ✓ | |
| | Lifetime of PSU at 25°C (h) | >100,000 | |
| CABLES | No. of cables | 8 | |
| | Maximum cable length (cm) | 95 | |
| | Length of ATX-connection cable (cm) | 55 | |
| | Modular cable management | ✓ | |
| | Sleeved cables | 20+4-Pin | |
| | Flat cables | P4+4, P8, PCIe, drives | |
| CONNECTORS | ATX-mainboard (20+4-pin) | ✓ | |
| | 12VHPWR cable I W | 1 600 | |
| | PCI-express (6+2-pin) | 4 | |
| | P8/P4 connector | 1x P4+4, 1x P8 | |
| | S-ATA | 6 | |
| | P-ATA | 2 | |

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| Technical Data | | | | |
|----------------|--|----------------------------------|--------------------------------|----------------------------------|
| IN GENERAL | Model | 750W | 650W | 550W |
| | Article no. | BN343 | BN342 | BN341 |
| | EAN code | 4260052189481 | 4260052189474 | 4260052189467 |
| | Voltage (Vac) / Frequency (Hz) | 100-240 / 50-60 | | |
| | Dimensions (L x W x H) (mm) | 160 x 150 x 86 | | |
| | ATX 12V 3.0 / ATX 12V 2.x / EPS 12V 2.92 | ✓ / ✓ / ✓ | | |
| | Silence-optimized be quiet! fan (mm) | 120 | | |
| | Noise level (dB(A)) at 10 / 20 / 50 / 100% load | 8.4 / 8.5 / 8.9 / 24 | 8.1 / 8.2 / 9.1 / 19.9 | 8 / 8 / 8.2 / 17.1 |
| | 12V rail (Multi-Rail) / 12V Single Rail | 2 / - | | |
| | Overclocking Key / Jumper | - / - | | |
| | Power Good signal | 100-150ms | | |
| | PFC | active | | |
| | Certification | 80 PLUS® Gold | | |
| | Efficiency (%) at 230V, 2% / 10% / 20% / 50% / 100% load | 75.7 / 86.6 / 91.5 / 92.6 / 90.6 | 73.3 / 86.4 / 90 / 92.7 / 90.5 | 70.4 / 85.2 / 89.3 / 92.8 / 90.9 |
| | Energy Star 8.0 compatible | ✓ | | |
| | ErP 2014 ready / Power in stand-by (W) | ✓ / <0.1 | | |
| | OCP, OVP, UVP, SCP, OPP, OTP | ✓ | | |
| | Lifetime of PSU at 25°C (h) | >100,000 | | |
| CABLES | No. of cables | 7 | | 6 |
| | Maximum cable length (cm) | 95 | | |
| | 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-mainboard (20+4-pin) | ✓ | | |
| | 12VHPWR cable I W | 1 600 | 1 450 | 1 300 |
| | PCI-express (6+2-pin) | 2 | | |
| | P8/P4 connector | 1x P4+4, 1x P8 | 1x P4+4, 1x P4 | 1x P4+4 |
| | S-ATA | 5 | | |
| | P-ATA | 2 | | |

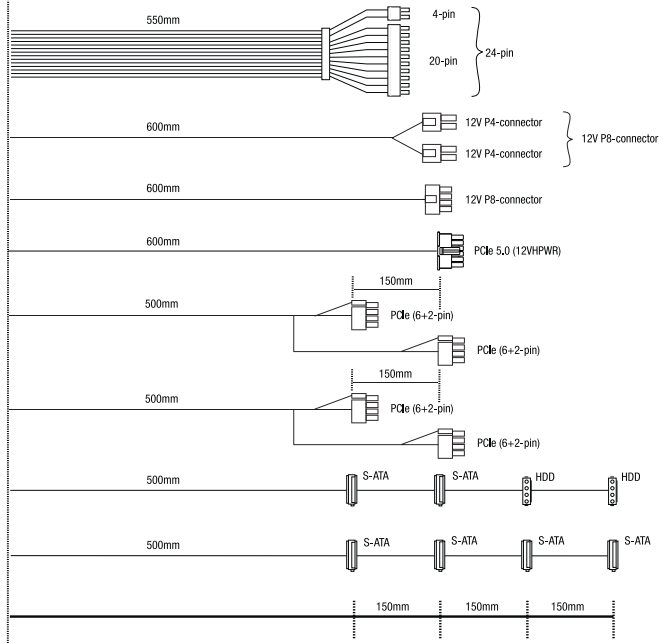
| Output Data | | | | | | | | | | |
|--------------------------|---------------------|--------------------------------|-----|-------|------|------|------|-------|--|--|
| Pure Power 12 M 1000W | AC Input | 100 - 240Vac 50 - 60Hz 12 - 6A | | | | | | | | |
| | DC Output | 3.3V | 5V | 12V1 | 12V2 | -12V | 5VSB | | | |
| | Max. Current | 22A | 22A | 46A | 42A | 0.3A | 3A | | | |
| | Max. Combined Power | 120W | | 1000W | | 3.6W | 15W | 1000W | | |
| Pure Power 12 M 850W | AC Input | 100 - 240Vac 50 - 60Hz 12 - 6A | | | | | | | | |
| | DC Output | 3.3V | 5V | 12V1 | 12V2 | -12V | 5VSB | | | |
| | Max. Current | 22A | 22A | 40A | 36A | 0.3A | 3A | 70.9A | | |
| | Max. Combined Power | 120W | | 850W | | 3.6W | 15W | 850W | | |
| Pure Power 12 M 750W | AC Input | 100 - 240Vac 50 - 60Hz 10 - 5A | | | | | | | | |
| | DC Output | 3.3V | 5V | 12V1 | 12V2 | -12V | 5VSB | | | |
| | Max. Current | 20A | 20A | 36A | 32A | 0.3A | 3A | | | |
| | Max. Combined Power | 120W | | 750W | | 3.6W | 15W | 750W | | |
| Pure Power 12 M 650W | AC Input | 100 - 240Vac 50 - 60Hz 10 - 5A | | | | | | | | |
| | DC Output | 3.3V | 5V | 12V1 | 12V2 | -12V | 5VSB | | | |
| | Max. Current | 20A | 20A | 32A | 28A | 0.3A | 3A | | | |
| | Max. Combined Power | 120W | | 650W | | 3.6W | 15W | 650W | | |
| Pure Power 12 M 550W | AC Input | 100 - 240Vac 50 - 60Hz 10 - 5A | | | | | | | | |
| | DC Output | 3.3V | 5V | 12V1 | 12V2 | -12V | 5VSB | | | |
| | Max. Current | 20A | 20A | 28A | 24A | 0.3A | 3A | | | |
| | Max. Combined Power | 120W | | 550W | | 3.6W | 15W | 550W | | |

PURE POWER 12 M

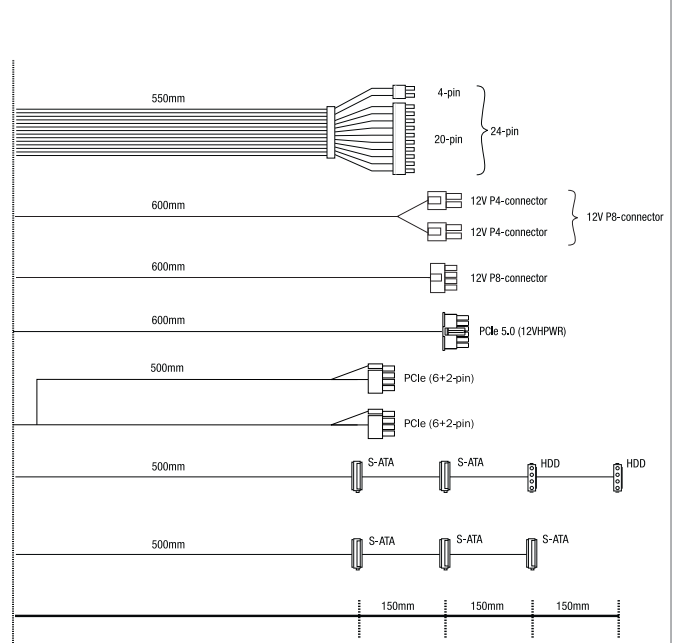
EXCEPTIONAL QUIET, SUPERIOR FEATURES

Cables

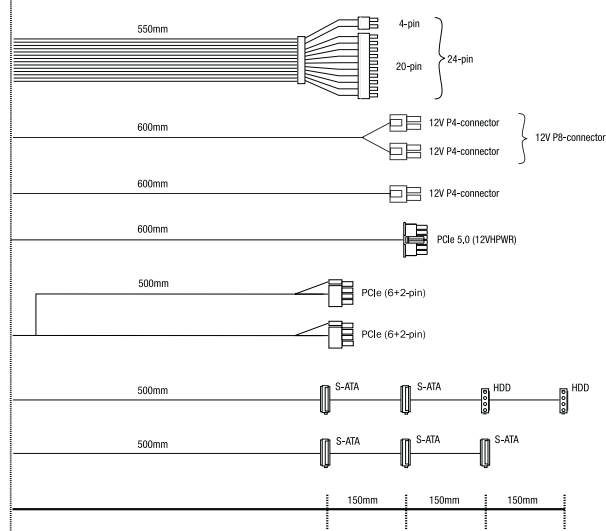
1000W / 850W



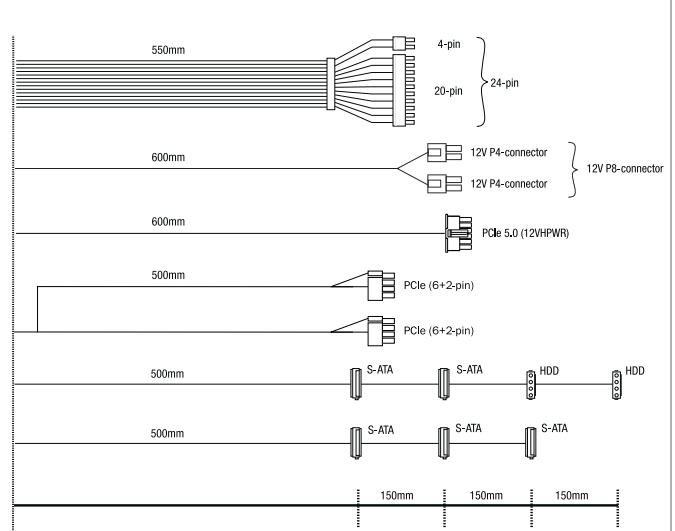
750W



650W



550W











PURE POWER 12 M

EXCEPTIONAL QUIET, SUPERIOR FEATURES



| Logistics data | | | |
|----------------|-----------------------|-------------|---------------|
| Region | Model | Article no. | EAN code |
| EU | Pure Power 12 M 1000W | BN345 | 4260052189504 |
| EU | Pure Power 12 M 850W | BN344 | 4260052189498 |
| EU | Pure Power 12 M 750W | BN343 | 4260052189481 |
| EU | Pure Power 12 M 650W | BN342 | 4260052189474 |
| EU | Pure Power 12 M 550W | BN341 | 4260052189467 |
| US | Pure Power 12 M 1000W | BN506 | 4260052189801 |
| US | Pure Power 12 M 850W | BN505 | 4260052189795 |
| US | Pure Power 12 M 750W | BN504 | 4260052189788 |
| US | Pure Power 12 M 650W | BN503 | 4260052189771 |
| US | Pure Power 12 M 550W | BN502 | 4260052189764 |
| AU | Pure Power 12 M 1000W | BN717 | 4260052189900 |
| AU | Pure Power 12 M 850W | BN716 | 4260052189894 |
| AU | Pure Power 12 M 750W | BN715 | 4260052189887 |
| AU | Pure Power 12 M 650W | BN714 | 4260052189870 |
| AU | Pure Power 12 M 550W | BN713 | 4260052189863 |
| AR | Pure Power 12 M 1000W | BN511 | 4260052189856 |
| AR | Pure Power 12 M 850W | BN510 | 4260052189849 |
| AR | Pure Power 12 M 750W | BN509 | 4260052189832 |
| AR | Pure Power 12 M 650W | BN508 | 4260052189825 |
| AR | Pure Power 12 M 550W | BN507 | 4260052189818 |
| TW | Pure Power 12 M 1000W | BN722 | 4260052189955 |
| TW | Pure Power 12 M 850W | BN721 | 4260052189948 |
| TW | Pure Power 12 M 750W | BN720 | 4260052189931 |
| TW | Pure Power 12 M 650W | BN719 | 4260052189924 |
| TW | Pure Power 12 M 550W | BN718 | 4260052189917 |
| CN | Pure Power 12 M 1000W | BN727 | 4260052190005 |
| CN | Pure Power 12 M 850W | BN726 | 4260052189993 |
| CN | Pure Power 12 M 750W | BN725 | 4260052189986 |
| CN | Pure Power 12 M 650W | BN724 | 4260052189979 |
| CN | Pure Power 12 M 550W | BN723 | 4260052189962 |
| JP | Pure Power 12 M 1000W | BN757 | 4260052190593 |
| JP | Pure Power 12 M 850W | BN756 | 4260052190586 |
| JP | Pure Power 12 M 750W | BN755 | 4260052190579 |
| JP | Pure Power 12 M 550W | BN754 | 4260052190562 |

Certifications












Type Approved
Safety
Regular Production
Surveillance

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R45038
RoHS

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Visit the contact section on bequiet.com
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