


**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	

PURE POWER 12

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		
	OCP, 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. Com- bined 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. Com- bined 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	20 A	62.5A	0.3A	3A
	Max. Com- bined 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. Com- bined 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. Com- bined Power	120W		550W	3.6W	15W
		550W				

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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	
	
	
	
	
	
	

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