

DEVELOPED
IN GERMANY

be quiet!



STRAIGHT POWER 12

WORLD CLASS QUIET AND EFFICIENCY

1500W • 1200W • 1000W • 850W • 750W

IDEAL APPLICATIONS

Advanced gaming with latest graphics cards
Extremely silent PC builds
Multimedia systems
Multi-GPU setups

HIGHLIGHTS

80 PLUS® Platinum efficiency of up to 94%
Fulfills all ATX 3.0 specifications
Full compatibility with both PCIe 5.0 and PCIe 6+2 GPUs
Virtually inaudible Silent Wings 135mm fan

Exceptional Quiet, Superior Features

Straight Power 12 is a future-proof ATX 3.0 power supply with 80 PLUS® Platinum certification and virtually inaudible operation.

Highlights

- 80 PLUS Platinum efficiency (up to 94%)
- ATX 3.0 PSU with full support for PCIe 5.0 GPUs and GPUs with 6+2 pin connectors
- Handles massive power excursions
- Virtually inaudible Silent Wings 135mm fan
- Funnel-shaped fan opening on PSU case for high airflow intake
- Full bridge LLC technology for unmatched signal stability
- One massive high-performance 12V-rail
- Japanese 105°C capacitors ensure highest stability and reliability
- Wire-free DC side inside the PSU for enhanced cooling and longevity
- Modular cable management for maximum convenience
- Up to 2 PCIe 5.0 12VHPWR 600W and 4 PCIe 6+2 connectors for overclocked high-end GPUs
- 10-year manufacturer's warranty



STRAIGHT POWER 12

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Technical Data				
IN GENERAL	Model	1500W	1200W	1000W
	Article no.	BN340	BN339	BN338
	EAN code	4260052189450	4260052189443	4260052189436
	Voltage (Vac) / Frequency (Hz)	110-240 / 50-60		100-240 / 50-60
	Dimensions (L x W x H) (mm)	180 x 150 x 86		160 x 150 x 86
	ATX 12V 3.0 / EPS 12V 2.92	✓ / ✓		
	Silent Wings fan (mm)	135		
	Noise level (dB(A)) at 10 / 20 / 50 / 100% load	9 / 9 / 12.7 / 36.4	9.4 / 9.4 / 9.8 / 32.2	7.7 / 7.7 / 8 / 28.9
	12V rail (Multi-Rail) / 12V Single Rail	- / ✓		
	Overclocking Key / Jumper	- / -		
	Power good signal (ms)	100-150		
	PFC	active		
	Certification	80 PLUS® Platinum		
	Max. combined power 12VHPWR (W)	1000	800	600
	Efficiency (%) at 230V, 2% / 10% / 20% / 50% / 100% load	65 / 90.5 / 93.1 / 93.9 / 91.9	65 / 89 / 93.1 / 93.7 / 92.4	64 / 88.1 / 92.2 / 93.9 / 91.8
	Energy Star 8.0 compatible	✓		
	ErP ready / Power in stand-by (W)	✓ / <0.2		
	OC, OVP, UVP, SCP, OPP, OTP, SIP	✓		
Lifetime of PSU at 25°C (h)	>100,000			
CABLES	No. of cables	10	9	
	Maximum cable length (cm)	100		
	Length of ATX-connection cable (cm)	60		
	Modular cable management	✓		
	Sleeved cables	✓		
	Flat cables	-		
CONNECTORS	ATX-mainboard (20+4-pin)	✓		
	12VHPWR cable I W	2	1	
	PCI-express (6+2-pin)	4		
	P8/P4 connector	1x P4+4, 1x P8		
	S-ATA	6		
	P-ATA	2		

STRAIGHT POWER 12

WORLD CLASS QUIET AND EFFICIENCY

Technical Data			
IN GENERAL	Model	850W	750W
	Article no.	BN337	BN336
	EAN code	4260052189429	4260052189412
	Voltage (Vac) / Frequency (Hz)	100-240 / 50-60	
	Dimensions (L x W x H) (mm)	160 x 150 x 86	
	ATX 12V 3.0 / EPS 12V 2.92	✓ / ✓	
	Silent Wings fan (mm)	135	
	Noise level (dB(A)) at 10 / 20 / 50 / 100% load	7.5 / 7.5 / 7.7 / 22.1	7.8 / 7.9 / 7.9 / 20.8
	12V rail (Multi-Rail) / 12V Single Rail	- / ✓	
	Overclocking Key / Jumper	- / -	
	Power good signal (ms)	100-150	
	PFC	active	
	Certification	80 PLUS® Platinum	
	Max. combined power 12VHPWR (W)	600	
	Efficiency (%) at 230V, 2% / 10% / 20% / 50% / 100% load	61 / 89.2 / 93.1 / 94 / 92.3	65 / 88.3 / 92.6 / 93.8 / 92.9
	Energy Star 8.0 compatible	✓	
	ErP ready / Power in stand-by (W)	✓ / <0.2	
OCP, OVP, UVP, SCP, OPP, OTP, SIP	✓		
Lifetime of PSU at 25°C (h)	>100,000		
CABLES	No. of cables	9	
	Maximum cable length (cm)	100	
	Length of ATX-connection cable (cm)	60	
	Modular cable management	✓	
	Sleeved cables	✓	
	Flat cables	-	
CONNECTORS	ATX-mainboard (20+4-pin)	✓	
	12VHPWR cable I W	1	
	PCI-express (6+2-pin)	4	
	P8/P4 connector	1x P4+4, 1x P8	
	S-ATA	9	
	P-ATA	2	

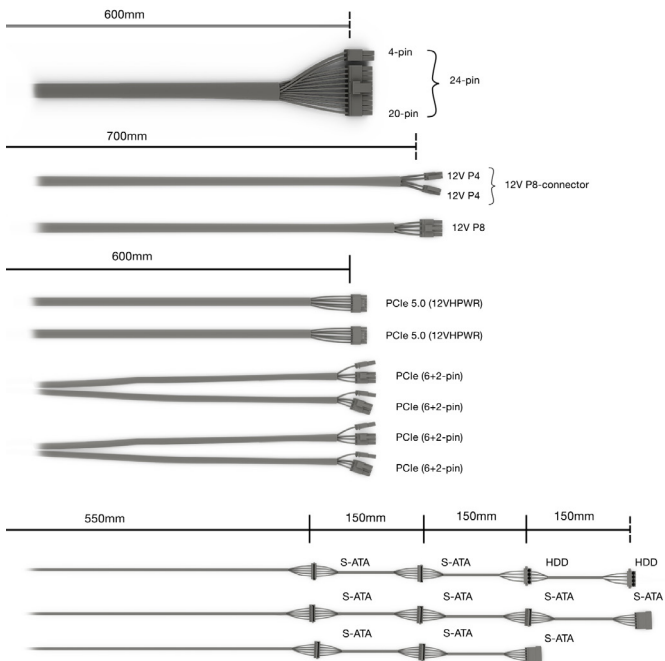
Output Data									
Straight Power 12 1500W	AC Input	110 - 240Vac			50 - 60Hz		15 - 9A		
	DC Output	3.3V	5V	12V	-12V	5VSB			
	Max. Current	25A	25A	125A	0.5A	3A			
	Max. Combined Power	150W		1500W	6W	15W			
Straight Power 12 1200W	AC Input	110 - 240Vac			50 - 60Hz		15 - 7.5A		
	DC Output	3.3V	5V	12V	-12V	5VSB			
	Max. Current	25A	25A	100A	0.5A	3A			
	Max. Combined Power	150W		1200W	6W	15W			
Straight Power 12 1000W	AC Input	100 - 240Vac			50 - 60Hz		13 - 6.5A		
	DC Output	3.3V	5V	12V	-12V	5VSB			
	Max. Current	25A	25A	83.3A	0.5A	3A			
	Max. Combined Power	150W		999.6W	6W	15W			
Straight Power 12 850W	AC Input	100 - 240Vac			50 - 60Hz		10 - 5A		
	DC Output	3.3V	5V	12V	-12V	5VSB			
	Max. Current	25A	25A	70.8A	0.5A	3A			
	Max. Combined Power	150W		849.6W	6W	15W			
Straight Power 12 750W	AC Input	100 - 240Vac			50 - 60Hz		10 - 5A		
	DC Output	3.3V	5V	12V	-12V	5VSB			
	Max. Current	25A	25A	62.5A	0.3A	3A			
	Max. Combined Power	130W		750W	3.6W	15W			

STRAIGHT POWER 12

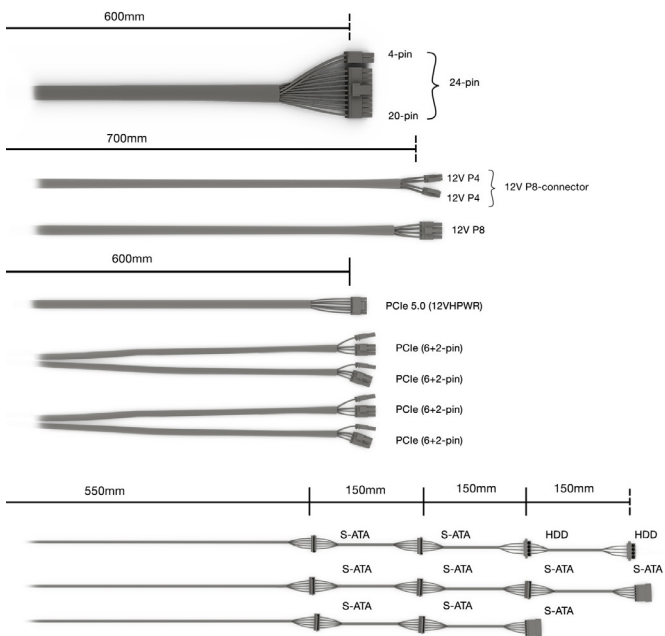
WORLD CLASS QUIET AND EFFICIENCY

Cables

1500W / 1200W



1000W / 850W / 750W










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Logistics data			
Region	Model	Article no.	EAN code
EU	Straight Power 12 1500W	BN340	4260052189450
EU	Straight Power 12 1200W	BN339	4260052189443
EU	Straight Power 12 1000W	BN338	4260052189436
EU	Straight Power 12 850W	BN337	4260052189429
EU	Straight Power 12 750W	BN336	4260052189412
US	Straight Power 12 1500W	BN518	4260052190319
US	Straight Power 12 1200W	BN517	4260052190302
US	Straight Power 12 1000W	BN516	4260052190296
US	Straight Power 12 850W	BN515	4260052190289
US	Straight Power 12 750W	BN514	4260052190272
AU	Straight Power 12 1500W	BN735	4260052190364
AU	Straight Power 12 1200W	BN734	4260052190357
AU	Straight Power 12 1000W	BN733	4260052190340
AU	Straight Power 12 850W	BN732	4260052190333
AU	Straight Power 12 750W	BN731	4260052190326
TW	Straight Power 12 1500W	BN740	4260052190418
TW	Straight Power 12 1200W	BN739	4260052190401
TW	Straight Power 12 1000W	BN738	4260052190395
TW	Straight Power 12 850W	BN737	4260052190388
TW	Straight Power 12 750W	BN736	4260052190371
CN	Straight Power 12 1200W	BN749	4260052190500
CN	Straight Power 12 1000W	BN748	4260052190494
CN	Straight Power 12 850W	BN747	4260052190487
CN	Straight Power 12 750W	BN746	4260052190470
KR	Straight Power 12 1500W	BN745	4260052190463
KR	Straight Power 12 1200W	BN744	4260052190456
KR	Straight Power 12 1000W	BN743	4260052190449
KR	Straight Power 12 850W	BN742	4260052190432
KR	Straight Power 12 750W	BN741	4260052190425

Certifications

Type Approved
Safety
Regular Production
Surveillance

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ID: 000025878

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