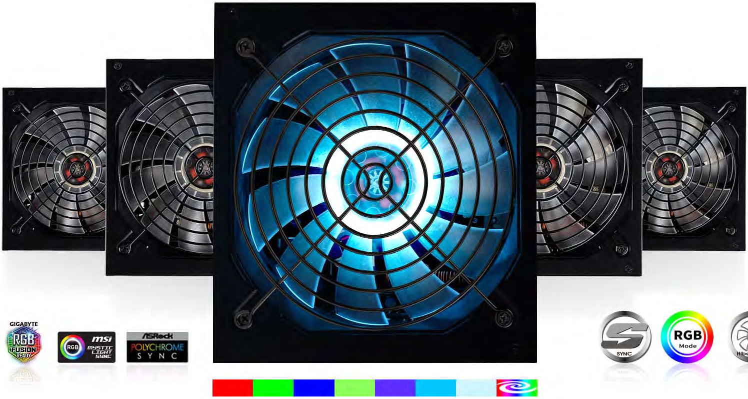
PREMIUM BASIC SERIES
PB 850W
PB 750W
PB 650W
PB 850W
PB 750W
PB 650W

CUSTOMIZE WITHOUT COMPROMISE

The all new Premium Basic Series is an 80 PLUS® gold certified gaming power supply. Gamers can adjust the colors of the built-in RGB LED fan to match personal preferences. Making a great lighting show for all your favorites!



ASUS AURA SYNC
GIGABYTE RGB FUSION READY
RGB msi MYSTIC LIGHT SYNC
ASRock POLYCHROME SYNC

SYNC
RGB Mode
Hibernation

M/B RGB Override

Synchronization Lighting Effects

The PB Series is compatible with RGB-supported motherboards(4pin, 12V). Simply activate the motherboard software and the power supply's RGB LEDs will perfectly complement your gaming rig.

RGB Mode

Gamers can also turn off the M/B RGB override button to manually switch the colors or activate the breathing effect. It is available in eight colors: red, green, dark blue, yellow, purple, light blue, white and breathing effect. Completely match the theme of your rig!

The power supply also features a built-in memory function to save the applied color, insuring the same selected color appears every time you boot your PC.

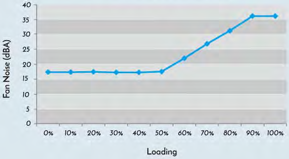
ON
OFF
Silence Mode

Hibernation Mode; Balancing Noise and Thermal Levels

The fluid dynamic bearing (FDB) 135mm fan will switch to hibernation mode load is lower than 20%.

This will maintain the power supply's stability and silence levels. The fan will begin to function when the system's load is over 20% and the lowest noise is only 18db.

Fan Noise of the Power Supply



Think Sync!

The PB Series is capable of synchronizing with other RGB

sync-ready components by using the 4-pin RGB headers (such as RGB fan, RGB LED strip).
Create your own synchronized lighting show!

80 PLUS® Gold Certified Fully-Modular Power Supply

The PB Series delivers up to 90% efficiency, generating less heat and effectively reducing operating cost.

80 PLUS GOLD

5 YEARS Warranty

NO-81052
REV-A0
2017/12/18
DL1
DL2
FAN

5V and 3.3V DC to DC Design

DC to DC converter design provides superior dynamic response and supports a foundation for greater system stability.

Highly Reliable Japanese Aluminium Electrolytic Capacitors

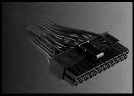
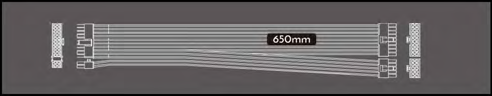
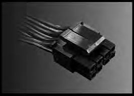
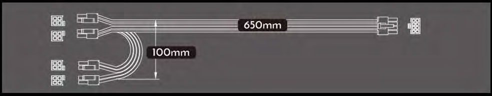
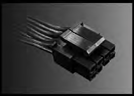
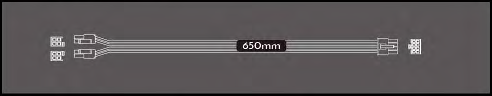
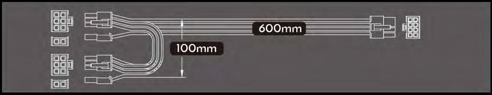
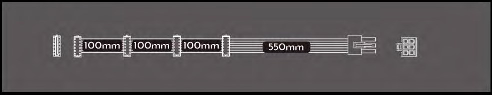
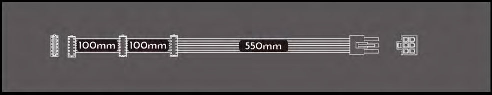
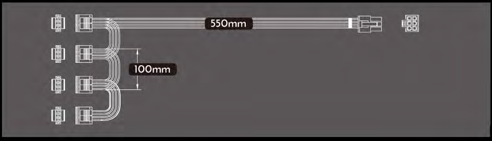
Premium Japanese capacitors with 105°C rating improve power stability at higher temperatures and provides an ultra-long lifespan.

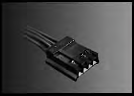
105 °C
680µF(M)

Fully Modular Cables for Quick and Easy Installation

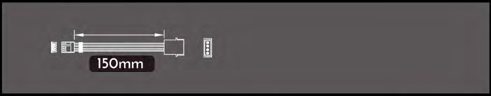
The fully modular and low-profile cable design lets gamers quickly and easily install without any difficulty.

Cable Information

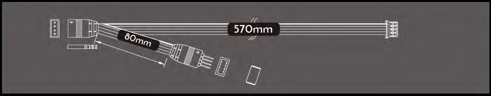
	20+4 Pin Motherboard	
	PB-750W PB-850W 8 (4+4) Pin CPU	
	PB-650W 8 (4+4) Pin CPU	
	8 (6+2)Pin PCI-E	
	PB-750W PB-850W SATA (90 Degree)	
	PB-650W SATA (90 Degree)	
	4 Pin Peripheral	



Floppy



RGB LED Connector Modular Cable



Specifications

Model	PB-850W	PB-750W	PB-650W
Part Number	IW PB-850W	IW PB-750W	IW PB-650W
Total Power	850W	750W	650W
Material	SECC		
Type	ATX12V V2.4/EPS12V V2.92		
Cable Management	Fully Modular		
PFC	Active PFC (>0.9)		
Efficiency	80 PLUS Gold (Up to 90%)		
MTBF (Hours)	>100,000 hrs.		
AC Input	100 - 240Vac. 50-60Hz		
Fan	135mm FDB Fan (RGB Lighting)		
Typical Load Fan Noise(dBA) (50% Loading)	<25dBA		
Operating Temperature Range (°C)	0~40 °C		
Full Protection	OCP/OVP/UVP/SCP/OTP/OPP		
Safety Certifications	cTUVus/TUV/CB /BSMI/CE/FCC/EAC/CCC/RCM		
Dimensions (L x W x H)	160 x 150 x 86mm		
Package Dimensions(L x W x D)	210 x 325 x 100mm		
Net Weight	2.64kg	2.46kg	2.35kg
Gross Weight	3.12kg	2.92kg	2.81kg
Warranty	5 Years		

160 mm
86 mm
86 mm
850W
86 mm
150 mm
750W
650W

			PB-850W	PB-750W	PB-650W
Connector	20+4 Pin Motherboard		1	1	1
	8 (4+4) Pin CPU		2	2	1
	8 (6+2) Pin PCI-E		6	4	4
	4 Pin Peripheral		4	4	4
	SATA (90 Degree)		12	12	9
	Floppy		1	1	1
	RGB LED Connector Modular Cable	Lighting	1	1	1
		RGB LED Controller	1	1	1

* In Win products comply with RoHS regulations
* Specifications may vary based on different regions

Model	AC INPUT	100-240Vac. 50-60Hz					
	DC OUTPUT	+12V	+5V	+3.3V	-12V	+5VSB	Total Power
PB-850W	Max. Output Current	70.9A	22A	22A	0.3A	3A	850W
	Max. Combined Power	850W	120W		3.6W	15W	

Model	AC INPUT	100-240Vac. 50-60Hz					
	DC OUTPUT	+12V	+5V	+3.3V	-12V	+5VSB	Total Power
PB-750W	Max. Output Current	62.5A	22A	22A	0.3A	3A	750W
	Max. Combined Power	750W	120W		3.6W	15W	

Model	AC INPUT	100-240Vac. 50-60Hz					
	DC OUTPUT	+12V	+5V	+3.3V	-12V	+5VSB	Total Power
PB-650W	Max. Output Current	54.2A	22A	22A	0.3A	3A	650W
	Max. Combined Power	650W	120W		3.6W	15W	