

# SFX 80 PLUS PLATINUM GOLD FULL-MODULAR

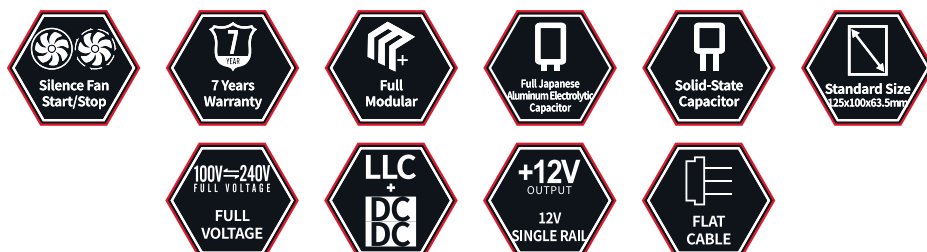
PC POWER SUPPLY



Edited by Amanda  
Version 1.3  
2023.04.19



PC POWER SUPPLY



**Small Form Factor With Big Power.**  
GAMING PC POWER SUPPLY



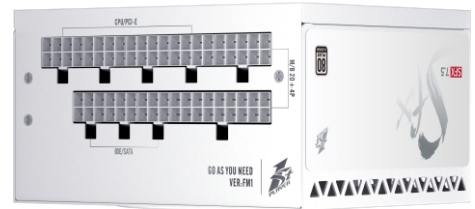
**MODEL : PS-650SFX**

Dimensions(L*W*H)	125*100*63.5 MM
Modular	Full-Modular
Certifications	80 PLUS GOLD
Warranty	7 years
Efficiency	80 PLUS GOLD
PFC	Active PFC
Fan Size	80MM Hydraulic Bearing Fan
Protections	UVP, OVP, OPP, SCP, Lightning Protection
Operation Temperature	0~40°C
Circuit Structure	Double Forward



**MODEL : PS-750SFX**

Dimensions(L*W*H)	125*100*63.5 MM
Modular	Full-Modular
Certifications	80 PLUS Platinum
Warranty	7 years
Efficiency	80 PLUS Platinum
PFC	Active PFC
Fan Size	80MM Hydraulic Bearing Fan
Protections	UVP, OVP, OPP, SCP, Lightning Protection
Operation Temperature	0~40°C
Circuit Structure	Double Forward



100-240Vac  
50-60Hz  
10A Max



+5V 20A  
+3.3V 20A  
+12V 54A  
+5VSB 2.5A  
-12V 0.3A



+5V/+3.3V **100W**  
+12V **648W**  
RATED PWOER  
**650W**



100-240Vac  
50-60Hz  
10A Max



+5V 20A  
+3.3V 20A  
+12V 62A  
+5VSB 2.5A  
-12V 0.3A

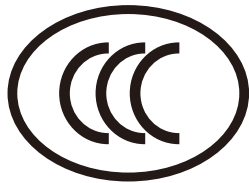


+5V/+3.3V **100W**  
+12V **744W**  
RATED PWOER  
**750W**

# Safety&Regular

EAC CB RoHS FC CE

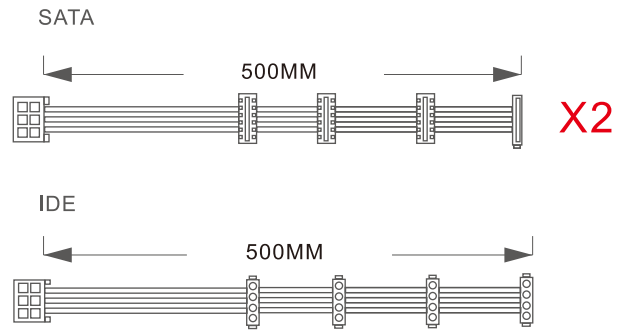
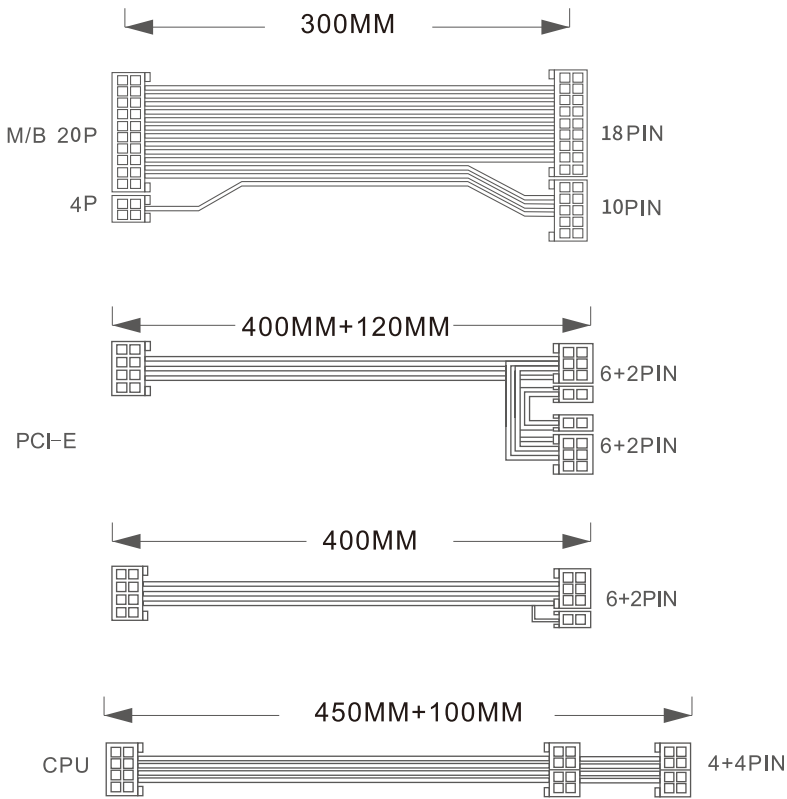
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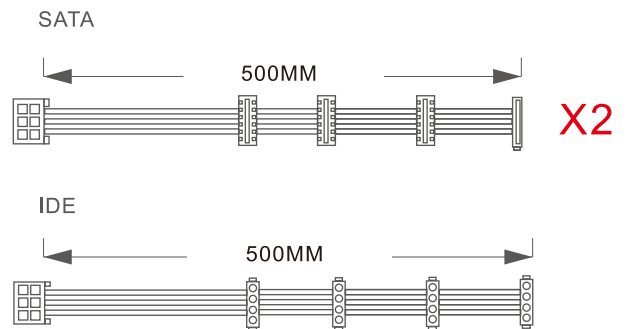
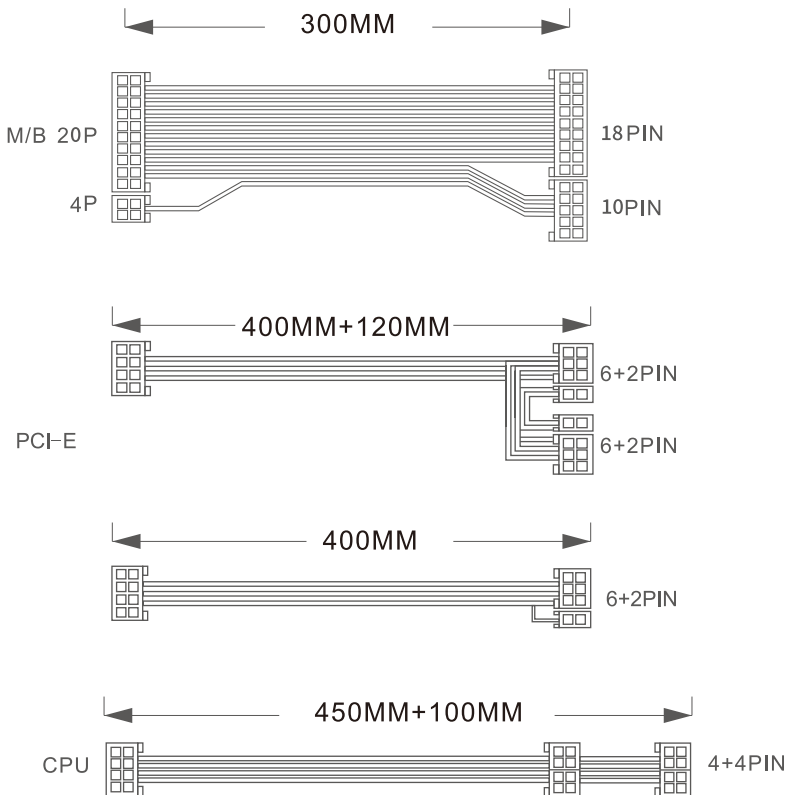
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**MODEL : PS-650SFX**

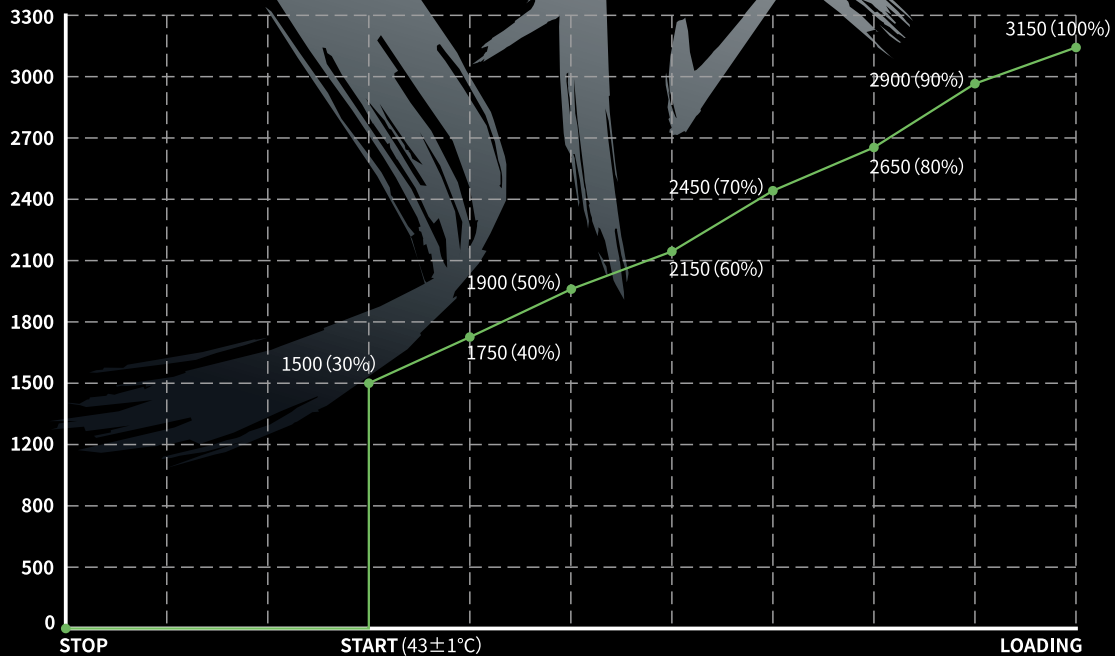


**MODEL : PS-750SFX**



## SMART FAN CONTROL

FAN Speed Turns/m



### THE POWER SUPPLY FAN IS IN STATIC MODE DURING COMPUTER STARTUP

The SFX power supply is equipped with an intelligent fan start/stop function. The fan has three cooling modes to achieve the ideal balance of performance, silence and cooling of the power supply. The lower the fan noise, the less the fan rotation, the longer the fan life and the higher the reliability of the power supply.

**Fan Static Mode:** Under low load conditions, the power supply ensures low heat generation through its own gold medal structure and relies on its own heatsink to dissipate heat, thus reducing fan rotation.

**Fan low speed mode:** Under medium load, the power supply itself cannot complete the heat dissipation and needs to cool down through the low speed fan, which can still maintain low noise operation.

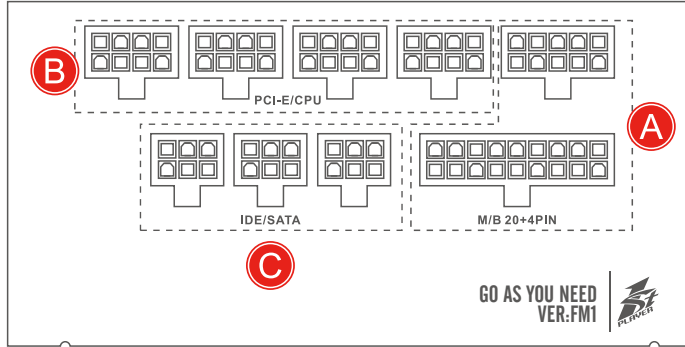
**Fan high performance mode:** Under high load conditions, the fan turns on high speed cooling mode to dissipate heat so that the power supply can reach the optimal operating temperature.

Test results from 1STPLAYER Lab the test was conducted in a room temperature of 28°C

# Full Modular Connector Guideline

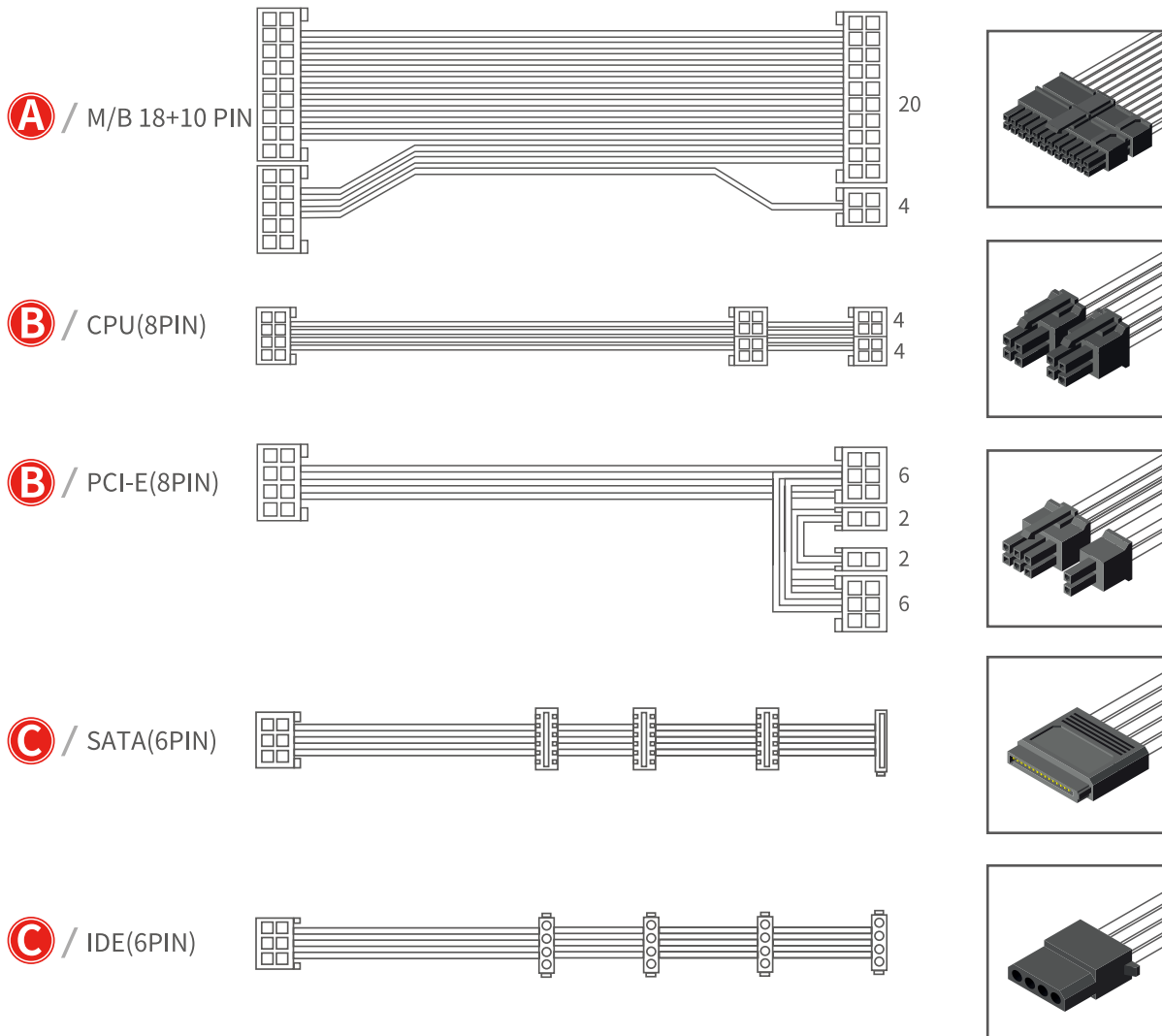
VER: FM1 / FM2

FM1



## PSU modular port

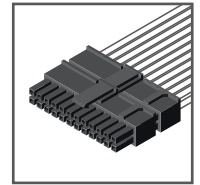
## PC Hardware



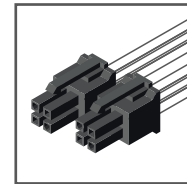
# 1 PC connection guide **Guideline**

- 1 Install the PSU into the PC case with cooling fan side at the bottom, then screw on.

- 2 24PIN (20+4) connector connects motherboard.

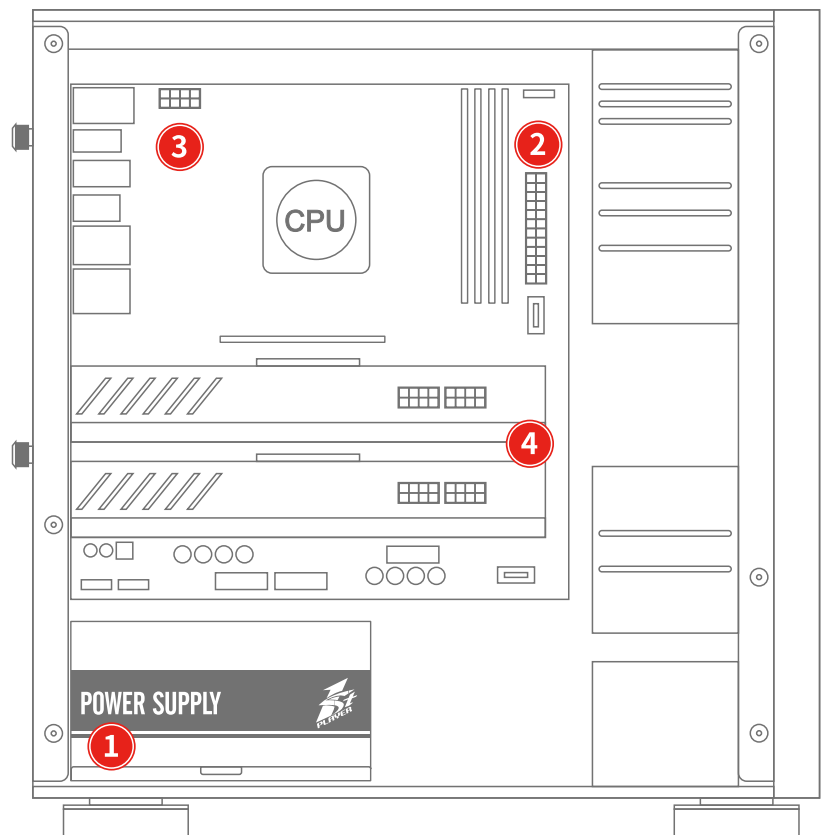
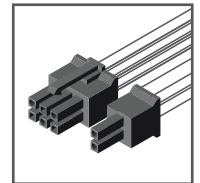


- 3 8PIN (4+4) connector connects CPU.



- 4 8PIN (6+2) connector connects VGA.

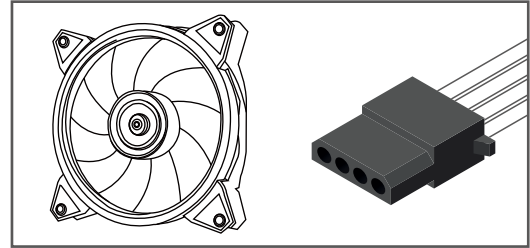
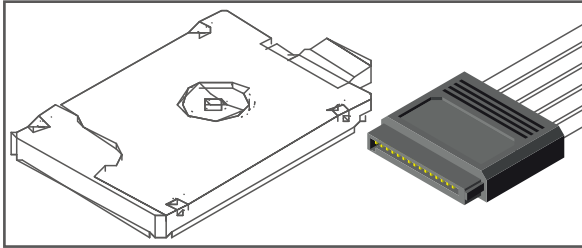
Note: There are multiple kinds of VGA connectors, 6PIN, 6+2PIN&6PIN, 6+2PIN&6+2PIN. Please select your PSU as your requirement.





# PC connection guide **Guideline**

- 5** SATA connector connects hard drive. IDE connector connects case fan.



- 6** Connect the motherboard jumpers, USB connectors. (any connection problem please contact motherboard manufacturer)

- 7** Connect the power cord. Make sure the I/O button is on. Press the case power button to power on.

