



# **MPG Series**

## **Power Supply Unit**

MPG A650GF

MPG A750GF

MPG A750GF WHITE

MPG A850GF

User Guide

English

Deutsch

Français

Русский

日本語

한국어

繁體中文

简体中文

Italiano

Język polski

Português

Español

Türkçe

# Contents

Specifications .....	2
Dimensions .....	3
Number of Power Connectors .....	4
Detachable Connectors .....	5
Graphics Cards Power Connection .....	6

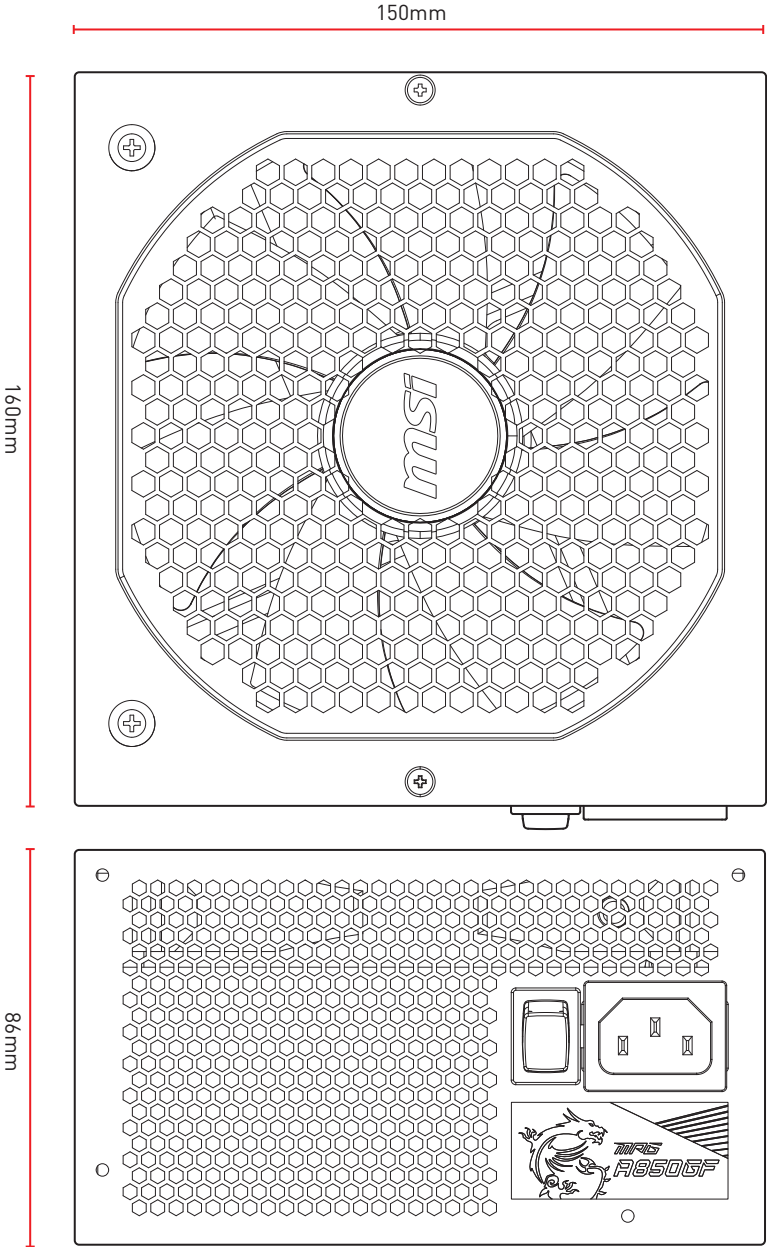
# Specifications

650W								
Voltage	+5V	+3.3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
Max load	20.0A	20.0A	25.0A	25.0A	30.0A	30.0A	0.3A	2.5A
Min load	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
Peak load	--	--	--	--	--	--	--	3.0A
Combined power	100W		650W					
Regulation	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
Ripple & Noise	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

750W								
Voltage	+5V	+3.3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
Max load	22.0A	22.0A	25.0A	25.0A	35.0A	35.0A	0.3A	2.5A
Min load	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
Peak load	--	--	--	--	--	--	--	3.0A
Combined power	120W		750W					
Regulation	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
Ripple & Noise	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

850W								
Voltage	+5V	+3.3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
Max load	22.0A	22.0A	25.0A	25.0A	40.0A	40.0A	0.3A	2.5A
Min load	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
Peak load	--	--	--	--	--	--	--	3.0A
Combined power	120W		850W					
Regulation	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±5%
Ripple & Noise	40mV	40mV	60mV	60mV	60mV	60mV	80mV	50mV

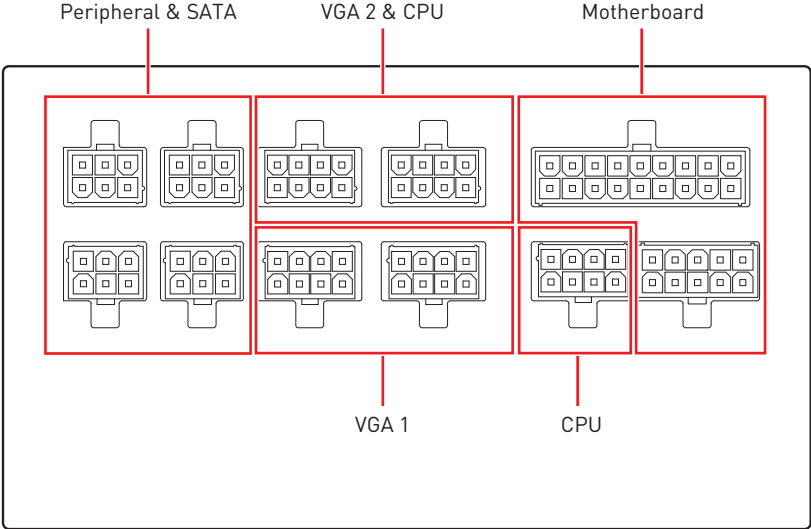
# Dimensions



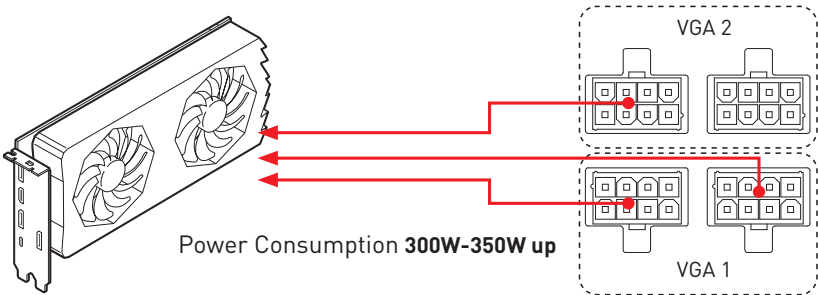
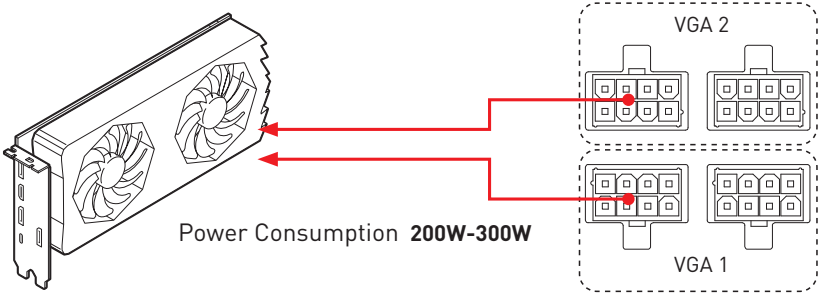
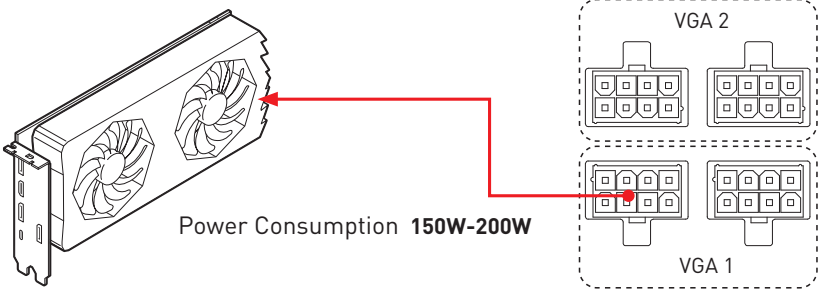
# Number of Power Connectors

Power Connectors	A650GF	A750GF/ A750GF WHITE	A850GF
ATX12V (Motherboard) 20+4 pin	1	1	1
EPS12V (CPU) 4+4 pin	2	2	2
PCIe (VGA) 6+2 pin	4	6	6
SATA 15 pin	8	8	8
Peripheral 4 pin	4	4	4
FDD 4 pin	1	1	1

# Detachable Connectors



# Graphics Cards Power Connection





# Inhalt

Spezifikationen .....	2
Abmessungen .....	3
Zahl der Stromanschlüsse .....	4
Lösbare Steckverbinder .....	5
Stromanschluss der Grafikkarten.....	6

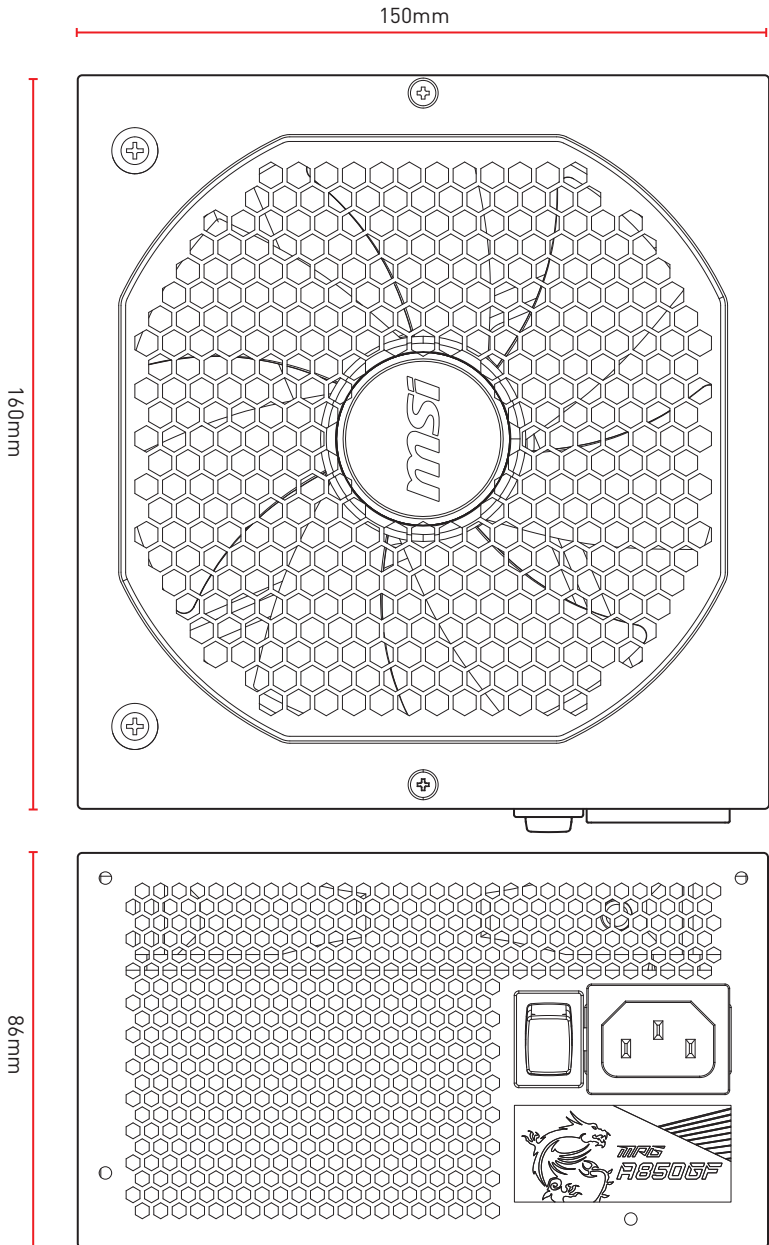
# Spezifikationen

650W								
Spannung	+5V	+3,3V	+12VMBPH	+12VCPU	+12VGA1	+12VGA2	-12V	+5Vsb
Max. Belastung	20,0A	20,0A	25,0A	25,0A	30,0A	30,0A	0,3A	2,5A
Min. Belastung	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A
Max. Belastung	--	--	--	--	--	--	--	3,0A
Kombinierte Leistung	100W		650W					
Lastregelung	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
Restwelligkeit	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

750W								
Spannung	+5V	+3,3V	+12VMBPH	+12VCPU	+12VGA1	+12VGA2	-12V	+5Vsb
Max. Belastung	22,0A	22,0A	25,0A	25,0A	35,0A	35,0A	0,3A	2,5A
Min. Belastung	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A
Max. Belastung	--	--	--	--	--	--	--	3,0A
Kombinierte Leistung	120W		750W					
Lastregelung	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
Restwelligkeit	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

850W								
Spannung	+5V	+3,3V	+12VMBPH	+12VCPU	+12VGA1	+12VGA2	-12V	+5Vsb
Max. Belastung	22,0A	22,0A	25,0A	25,0A	40,0A	40,0A	0,3A	2,5A
Min. Belastung	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A
Max. Belastung	--	--	--	--	--	--	--	3,0A
Kombinierte Leistung	120W		850W					
Lastregelung	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±5%
Restwelligkeit	40mV	40mV	60mV	60mV	60mV	60mV	80mV	50mV

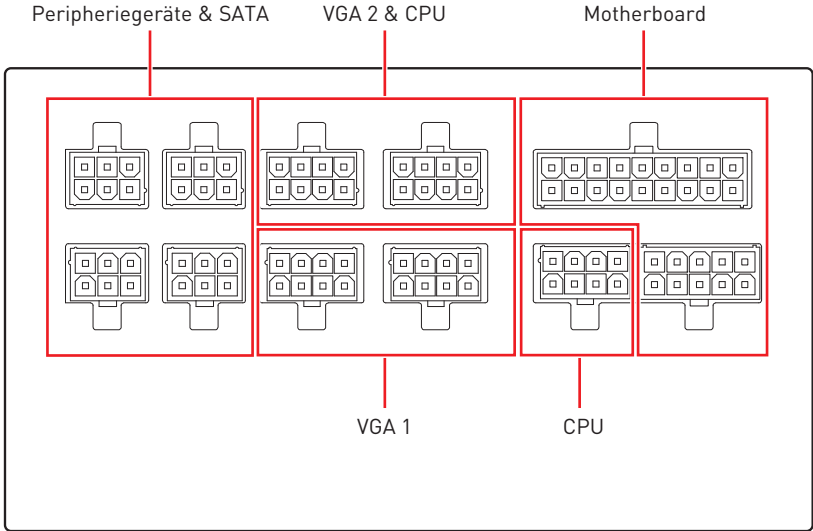
# Abmessungen



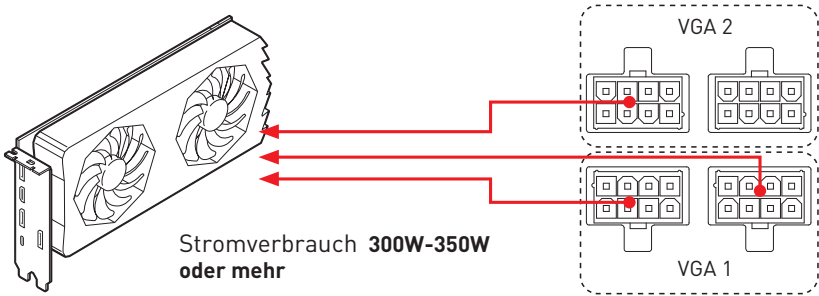
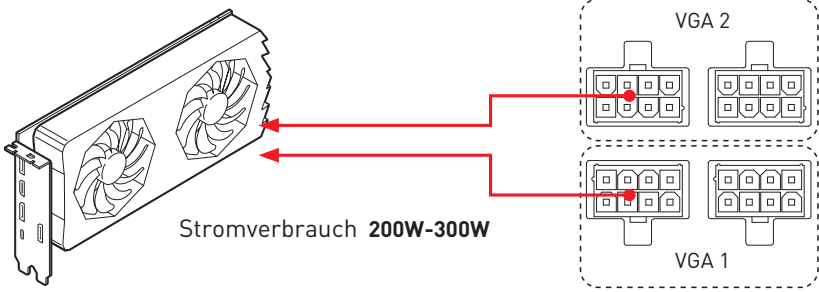
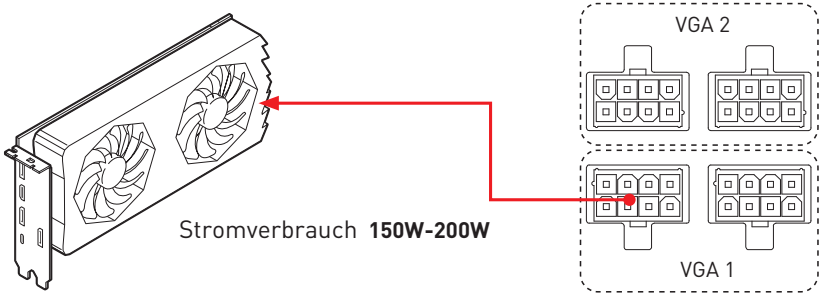
# Zahl der Stromanschlüsse

Stromanschlüsse	A650GF	A750GF/ A750GF WEISS	A850GF
ATX12V (Motherboard) 20+4 Pin	1	1	1
EPS12V (CPU) 4+4 Pin	2	2	2
PCIe (VGA) 6+2 Pin	4	6	6
SATA 15 Pin	8	8	8
Peripheriegerät 4 Pin	4	4	4
FDD 4 Pin	1	1	1

# Lösbare Steckverbinder



# Stromanschluss der Grafikkarten



# Table des matières

Caractéristiques .....	2
Dimensions .....	3
Nombre de connecteurs d'alimentation .....	4
Connecteurs détachables.....	5
Connexion de l'alimentation des cartes graphiques.....	6

# Caractéristiques

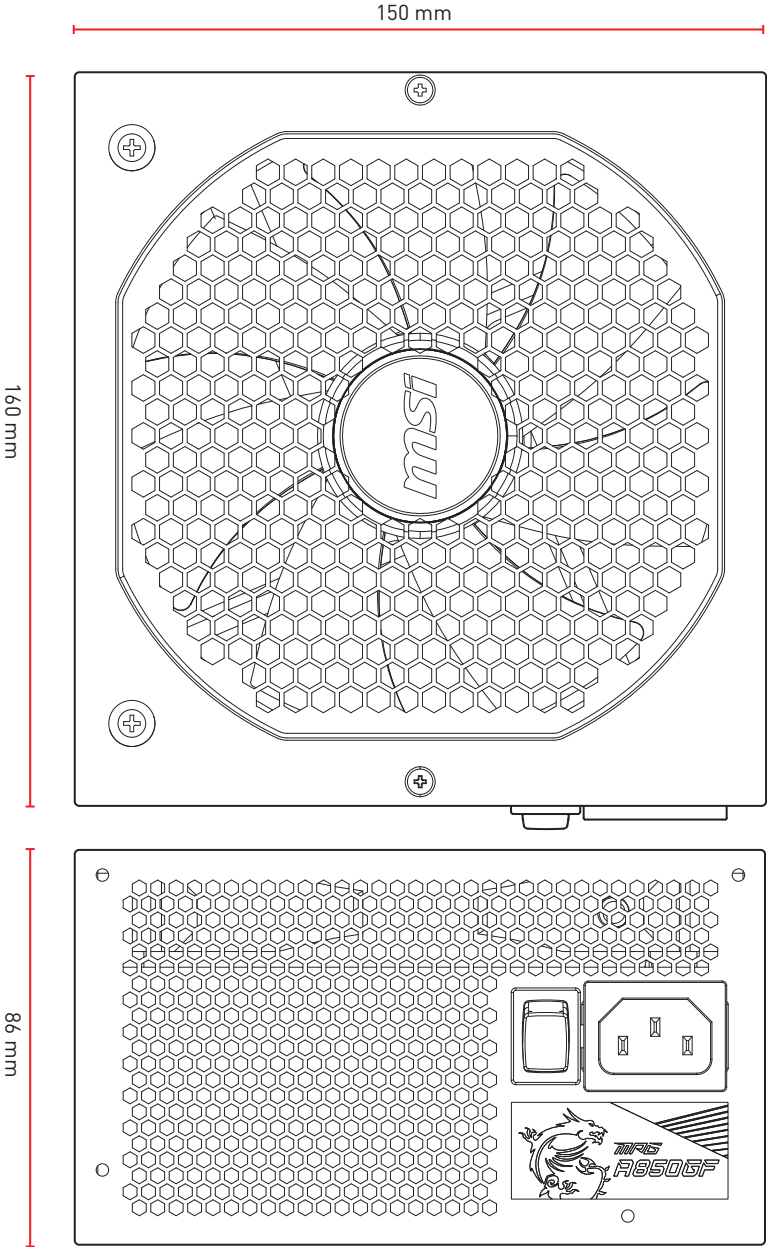
650 W								
Tension	+5 V	+3,3 V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12 V	+5 Vsb
Charge maximale	20,0 A	20,0 A	25,0 A	25,0 A	30,0 A	30,0 A	0,3 A	2,5 A
Charge minimale	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A
Charge de pointe	--	--	--	--	--	--	--	3,0 A
Puissance combinée	100 W		650 W					
Régulation	±4 %	±4 %	±4 %	±4 %	±4 %	±4 %	±10 %	±4 %
Ondulation et bruit	40 mV	40 mV	60 mV	60 mV	60 mV	60 mV	50 mV	50 mV

750 W								
Tension	+5 V	+3,3 V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12 V	+5 Vsb
Charge maximale	22,0 A	22,0 A	25,0 A	25,0 A	35,0 A	35,0 A	0,3 A	2,5 A
Charge minimale	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A
Charge de pointe	--	--	--	--	--	--	--	3,0 A
Puissance combinée	120 W		750 W					
Régulation	±4 %	±4 %	±4 %	±4 %	±4 %	±4 %	±10 %	±4 %
Ondulation et bruit	40 mV	40 mV	60 mV	60 mV	60 mV	60 mV	50 mV	50 mV

850 W								
Tension	+5 V	+3,3 V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12 V	+5 Vsb
Charge maximale	22,0 A	22,0 A	25,0 A	25,0 A	40,0 A	40,0 A	0,3 A	2,5 A
Charge minimale	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A
Charge de pointe	--	--	--	--	--	--	--	3,0 A
Puissance combinée	120 W		850 W					
Régulation	±4 %	±4 %	±4 %	±4 %	±4 %	±4 %	±10 %	±5 %
Ondulation et bruit	40 mV	40 mV	60 mV	60 mV	60 mV	60 mV	80 mV	50 mV



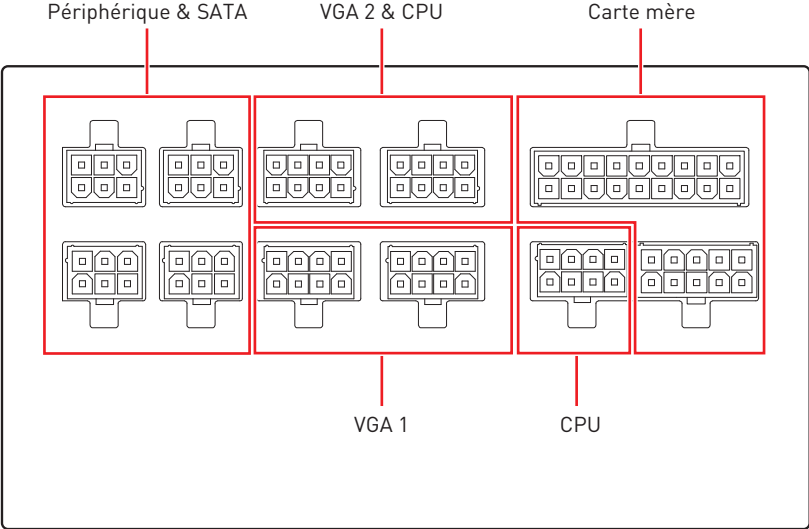
# Dimensions



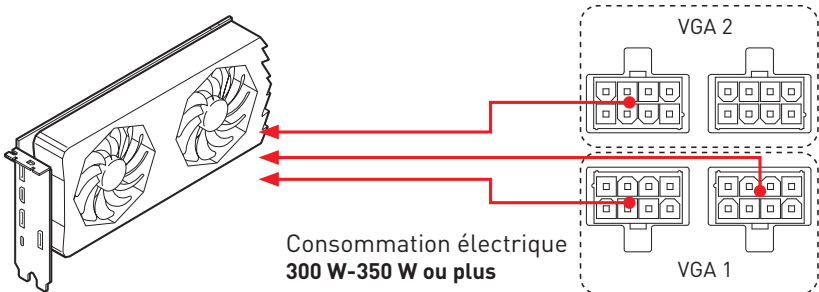
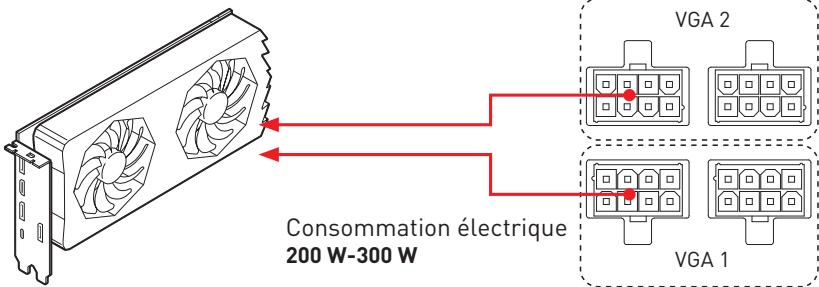
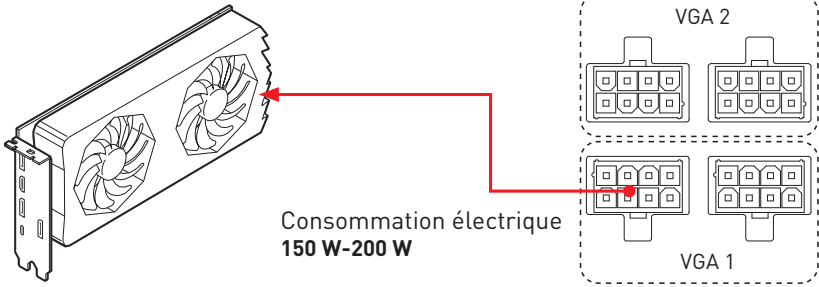
# Nombre de connecteurs d'alimentation

Connecteurs d'alimentation	A650GF	A750GF/ A750GF WHITE	A850GF
ATX12V (Carte mère) 20+4 broches	1	1	1
EPS12V (CPU) 4+4 broches	2	2	2
PCIe (VGA) 6+2 broches	4	6	6
SATA 15 broches	8	8	8
Périphérique 4 broches	4	4	4
FDD 4 broches	1	1	1

# Connecteurs détachables



# Connexion de l'alimentation des cartes graphiques



# Содержание

Спецификация.....	2
Размеры.....	3
Кол-во силовых соединителей.....	4
Кабельные интерфейсы.....	5
Подключение разъемов питания видеокарт.....	6

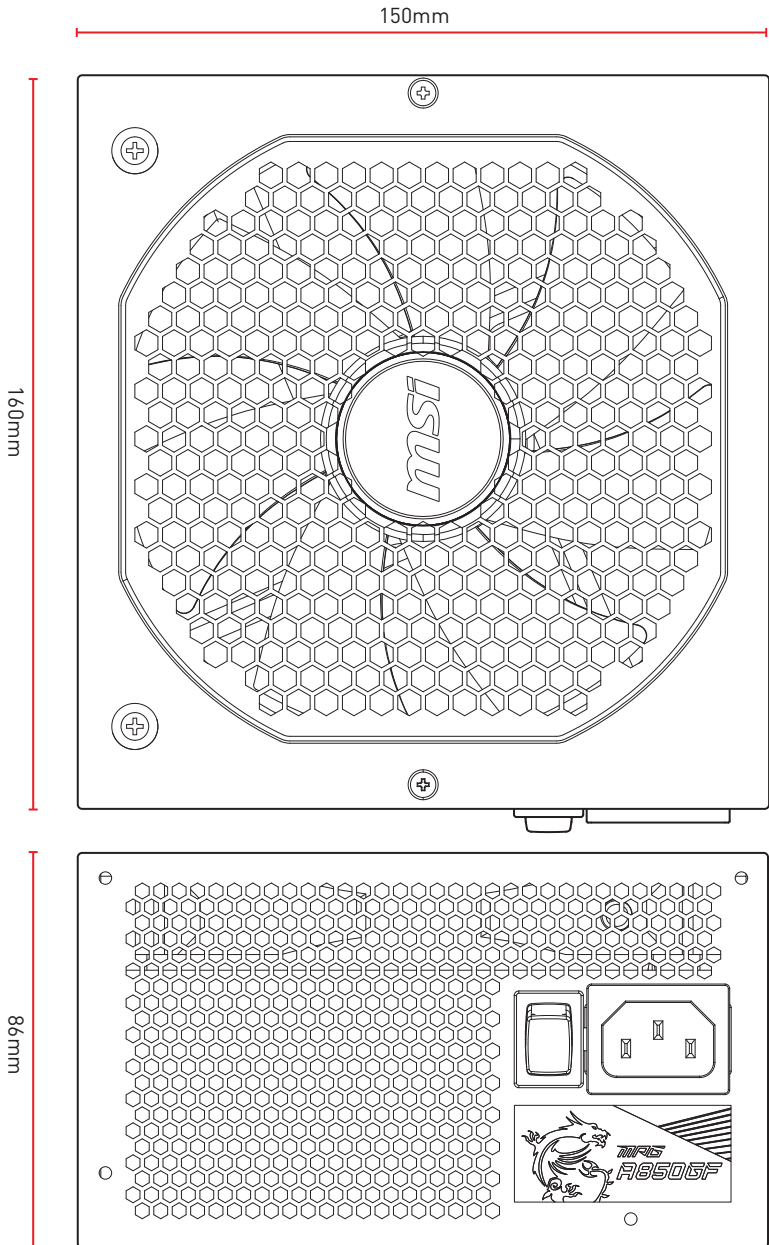
# Спецификация

650W								
Напряжение	+5V	+3.3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
Максимальная нагрузка	20.0A	20.0A	25.0A	25.0A	30.0A	30.0A	0.3A	2.5A
Минимальная нагрузка	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
Пиковая нагрузка	--	--	--	--	--	--	--	3.0A
Комбинированная мощность	100W		650W					
Регулирование	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
Пульсации и шумы	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

750W								
Напряжение	+5V	+3.3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
Максимальная нагрузка	22,0A	22,0A	25,0A	25,0A	35,0A	35,0A	0,3A	2,5A
Минимальная нагрузка	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A
Пиковая нагрузка	--	--	--	--	--	--	--	3.0A
Комбинированная мощность	120W		750W					
Регулирование	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
Пульсации и шумы	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

850W								
Напряжение	+5V	+3.3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
Максимальная нагрузка	22.0A	22.0A	25.0A	25.0A	40.0A	40.0A	0.3A	2.5A
Минимальная нагрузка	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
Пиковая нагрузка	--	--	--	--	--	--	--	3.0A
Комбинированная мощность	120W		850W					
Регулирование	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±5%
Пульсации и шумы	40mV	40mV	60mV	60mV	60mV	60mV	80mV	50mV

# Размеры

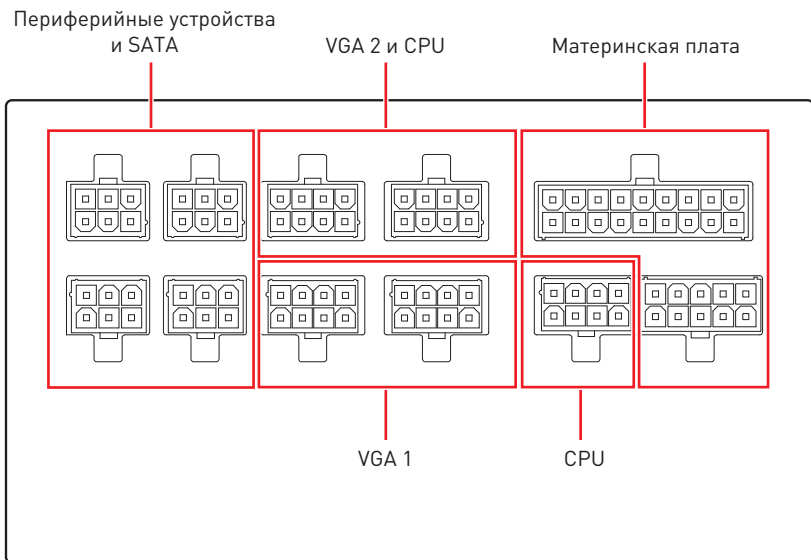


## Кол-во силовых соединителей

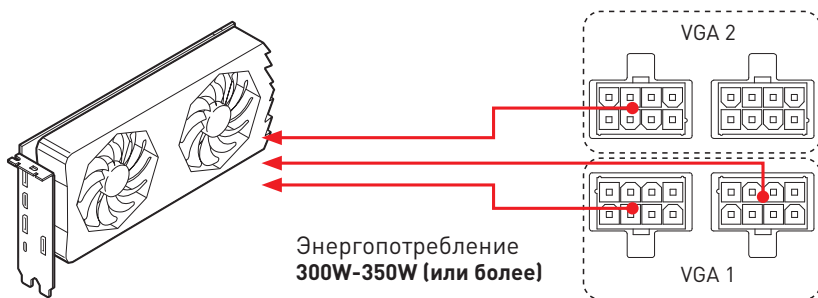
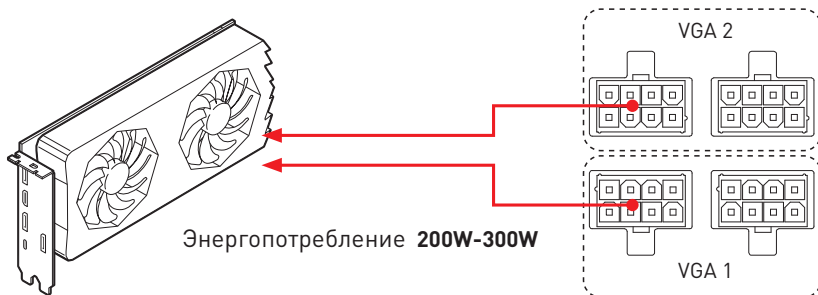
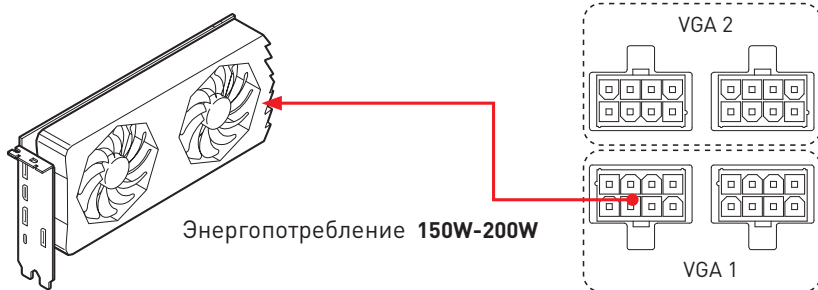
Разъемы питания	A650GF	A750GF/ A750GF WHITE	A850GF
ATX12V (Материнская плата) 20+4 pin	1	1	1
EPS12V (CPU) 4+4 pin	2	2	2
PCIe (VGA) 6+2 pin	4	6	6
SATA 15 pin	8	8	8
Периферийные устройства 4 pin	4	4	4
FDD 4 pin	1	1	1



# Кабельные интерфейсы



# Подключение разъемов питания видеокарт



# 目次

仕様.....	2
外形寸法.....	3
電源コネクタ数.....	4
電源コネクタ配置図.....	5
グラフィックスカード電源接続.....	6

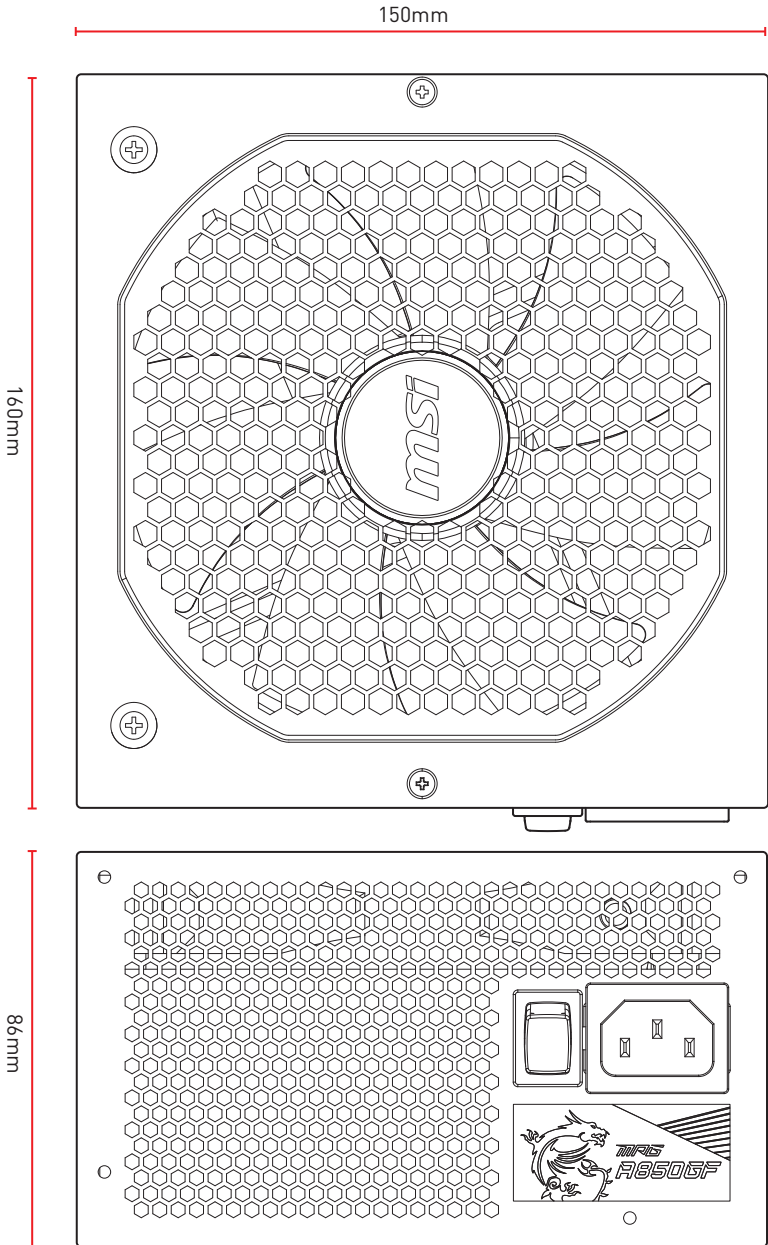
# 仕様

650W								
電圧	+5V	+3.3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
最大電流	20.0A	20.0A	25.0A	25.0A	30.0A	30.0A	0.3A	2.5A
最小電流	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
ピーク電流	--	--	--	--	--	--	--	3.0A
最大電力	100W		650W					
レギュレーション	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
リップルノイズ	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

750W								
電圧	+5V	+3.3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
最大電流	22.0A	22.0A	25.0A	25.0A	35.0A	35.0A	0.3A	2.5A
最小電流	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
ピーク電流	--	--	--	--	--	--	--	3.0A
最大電力	120W		750W					
レギュレーション	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
リップルノイズ	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

850W								
電圧	+5V	+3.3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
最大電流	22.0A	22.0A	25.0A	25.0A	40.0A	40.0A	0.3A	2.5A
最小電流	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
ピーク電流	--	--	--	--	--	--	--	3.0A
最大電力	120W		850W					
レギュレーション	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±5%
リップルノイズ	40mV	40mV	60mV	60mV	60mV	60mV	80mV	50mV

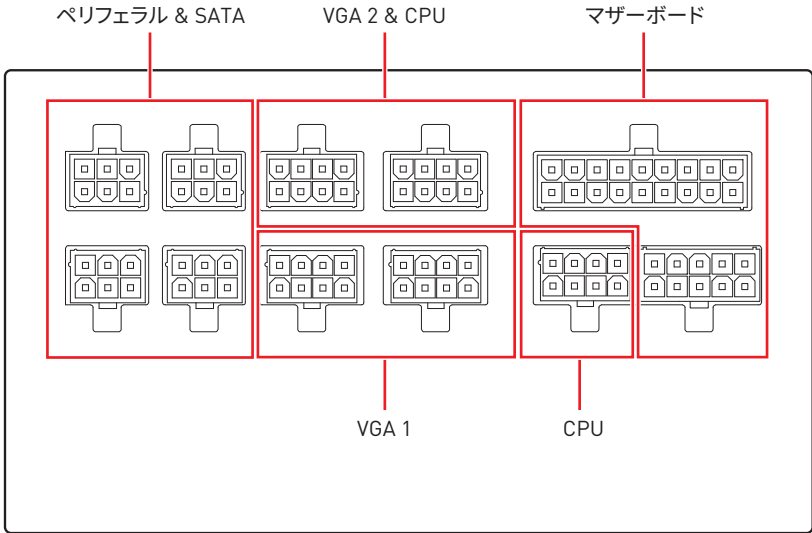
# 外形寸法



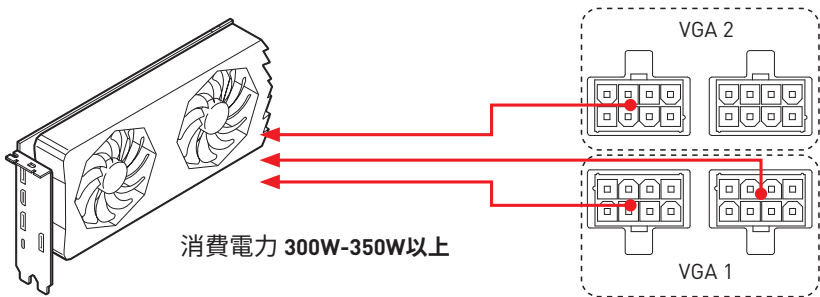
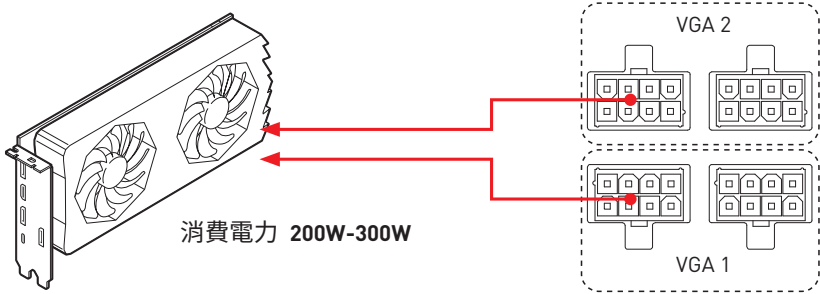
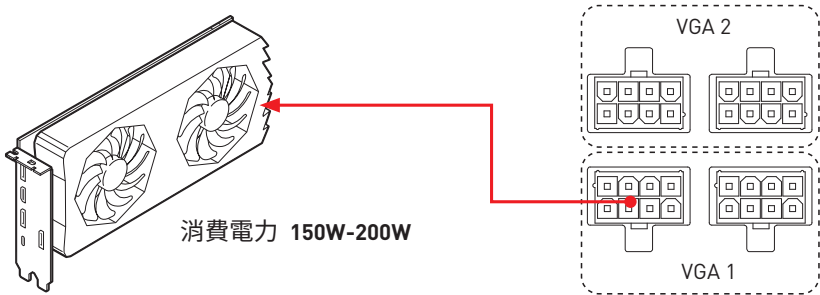
## 電源コネクタ数

電源コネクタ	A650GF	A750GF/ A750GF WHITE	A850GF
ATX12V (マザーボード) 20+4ピン	1	1	1
EPS12V (CPU) 4+4ピン	2	2	2
PCIe (VGA) 6+2ピン	4	6	6
SATA 15ピン	8	8	8
ペリフェラル4ピン	4	4	4
FDD 4ピン	1	1	1

# 電源コネクタ配置図



# グラフィックスカード電源接続





# 목차

사양 .....	2
치수 .....	3
전원 커넥터 수량 .....	4
탈착식 커넥터 .....	5
그래픽 카드 전원 커넥터 .....	6

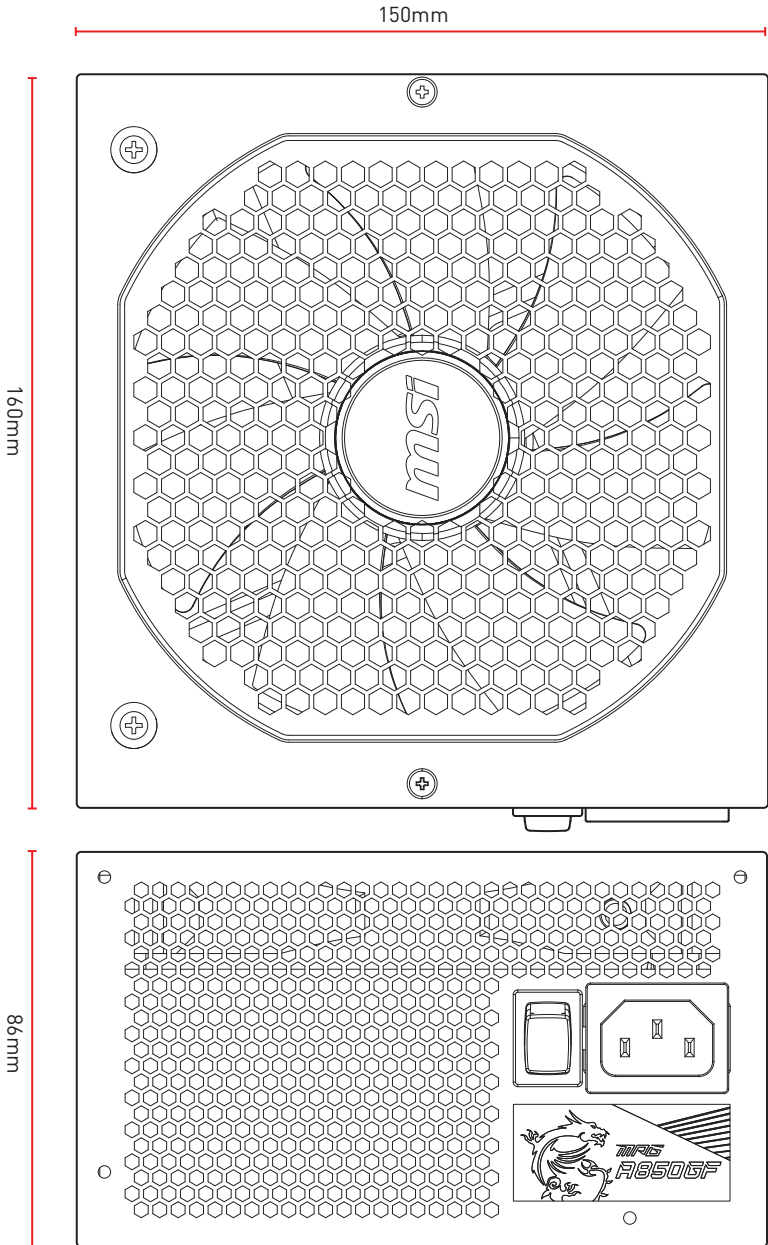
# 사양

650W								
전압	+5V	+3.3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
최대 하중	20.0A	20.0A	25.0A	25.0A	30.0A	30.0A	0.3A	2.5A
최소 하중	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
피크 하중	--	--	--	--	--	--	--	3.0A
결합 전원	100W		650W					
규제	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
리플 & 노이즈	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

750W								
전압	+5V	+3.3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
최대 하중	22.0A	22.0A	25.0A	25.0A	35.0A	35.0A	0.3A	2.5A
최소 하중	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
피크 하중	--	--	--	--	--	--	--	3.0A
결합 전원	120W		750W					
규제	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
리플 & 노이즈	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

850W								
전압	+5V	+3.3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
최대 하중	22.0A	22.0A	25.0A	25.0A	40.0A	40.0A	0.3A	2.5A
최소 하중	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
피크 하중	--	--	--	--	--	--	--	3.0A
결합 전원	120W		850W					
규제	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±5%
리플 & 노이즈	40mV	40mV	60mV	60mV	60mV	60mV	80mV	50mV

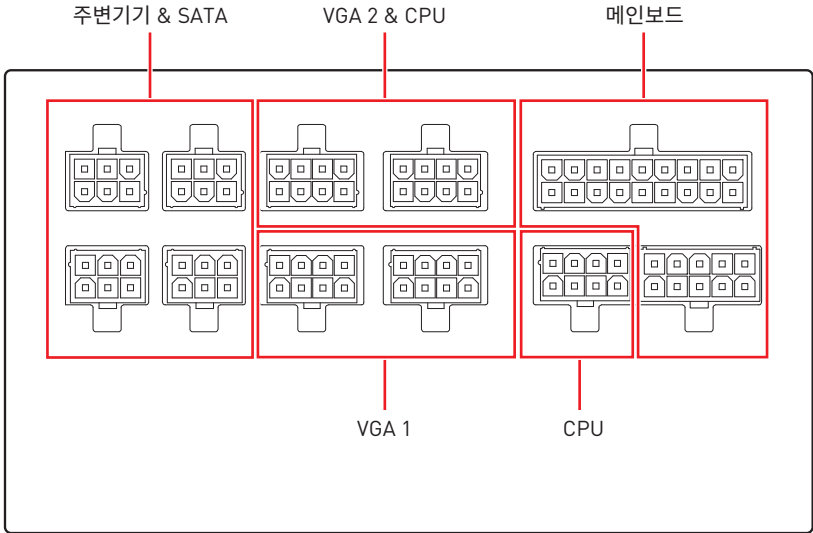
# 치수



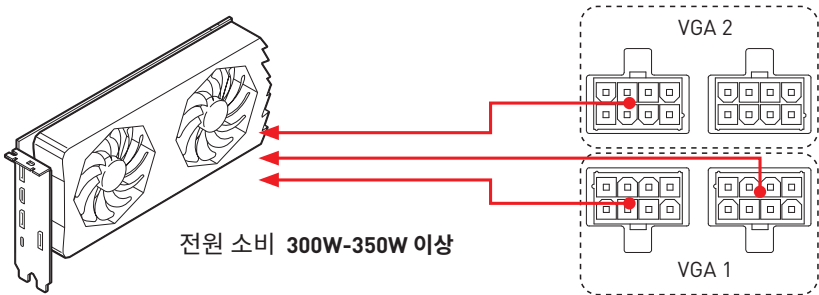
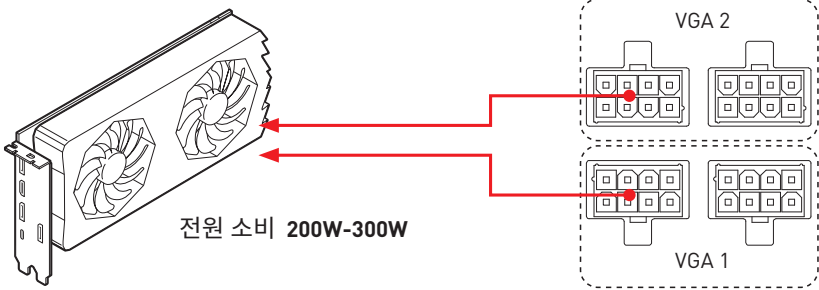
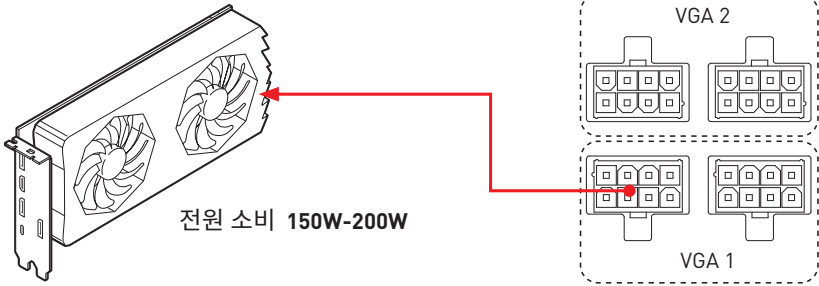
# 전원 커넥터 수량

전원 커넥터	A650GF	A750GF/ A750GF 화이트	A850GF
ATX12V (메인보드) 20+4 핀	1	1	1
EPS12V (CPU) 4+4 핀	2	2	2
PCIe (VGA) 6+2 핀	4	6	6
SATA 15 핀	8	8	8
주변기기 4핀	4	4	4
FDD 4 핀	1	1	1

# 탈착식 커넥터



# 그래픽 카드 전원 커넥터



# 目錄

規格.....	2
尺寸.....	3
電源接頭數量.....	4
可拆卸接頭.....	5
顯示卡電源連接.....	6

# 規格

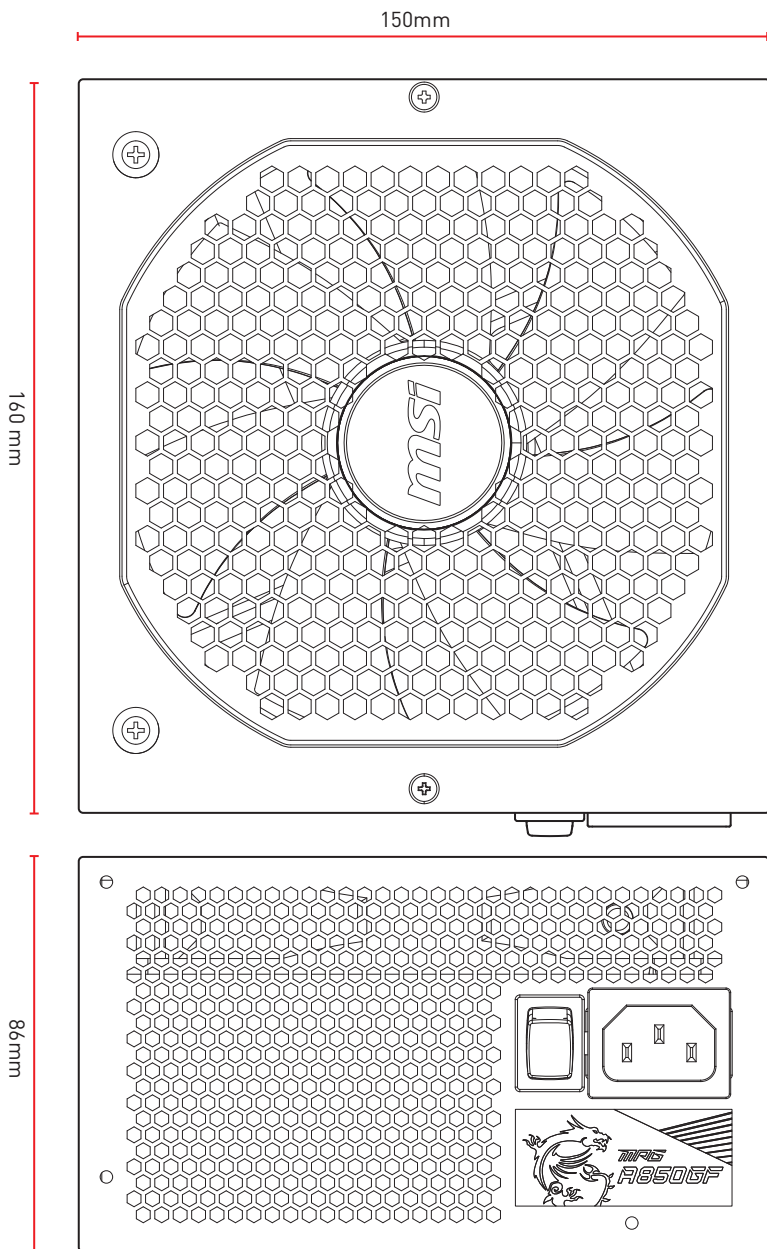
650W								
電壓	+5V	+3.3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
最大負載	20.0A	20.0A	25.0A	25.0A	30.0A	30.0A	0.3A	2.5A
最小負載	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
尖峰負載	--	--	--	--	--	--	--	3.0A
結合功率	100W		650W					
調節	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
紋波雜訊	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

750W								
電壓	+5V	+3.3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
最大負載	22.0A	22.0A	25.0A	25.0A	35.0A	35.0A	0.3A	2.5A
最小負載	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
尖峰負載	--	--	--	--	--	--	--	3.0A
結合功率	120W		750W					
調節	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
紋波雜訊	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

850W								
電壓	+5V	+3.3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
最大負載	22.0A	22.0A	25.0A	25.0A	40.0A	40.0A	0.3A	2.5A
最小負載	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
尖峰負載	--	--	--	--	--	--	--	3.0A
結合功率	120W		850W					
調節	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±5%
紋波雜訊	40mV	40mV	60mV	60mV	60mV	60mV	80mV	50mV



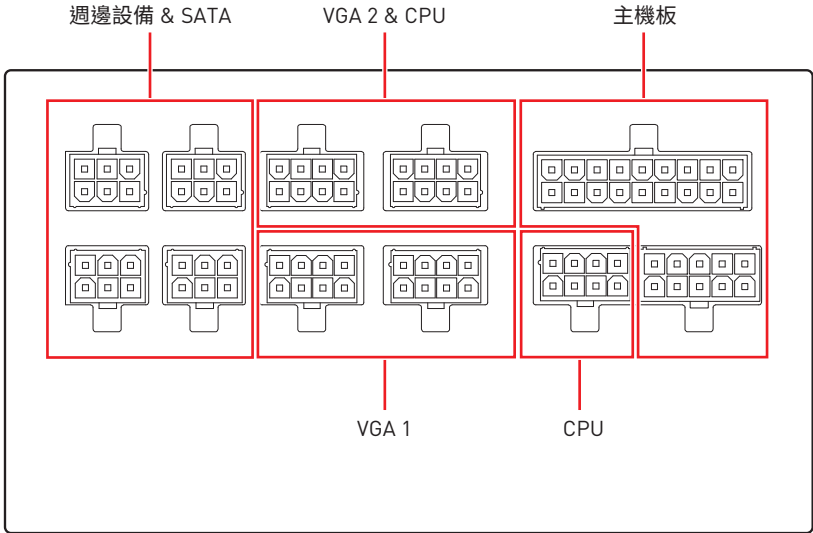
# 尺寸



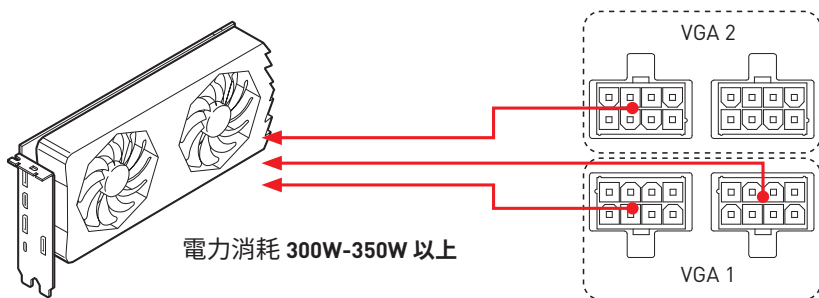
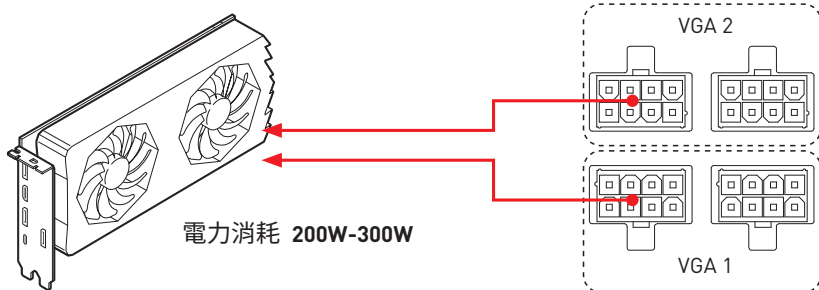
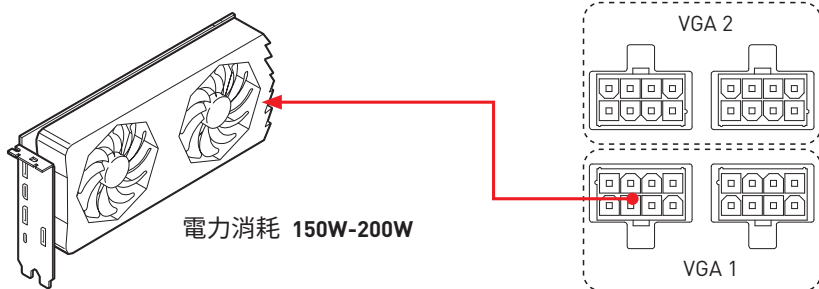
## 電源接頭數量

電源接頭	A650GF	A750GF/ A750GF WHITE	A850GF
ATX12V (主機板) 20+4 針	1	1	1
EPS12V (CPU) 4+4 針	2	2	2
PCIe (VGA) 6+2 針	4	6	6
SATA 15 針	8	8	8
週邊設備 4 針	4	4	4
FDD 4 針	1	1	1

# 可拆卸接頭



# 顯示卡電源連接



# 目录

产品规格.....	2
尺寸.....	3
电源接口数量.....	4
可拆卸接口.....	5
显卡电源连接.....	6

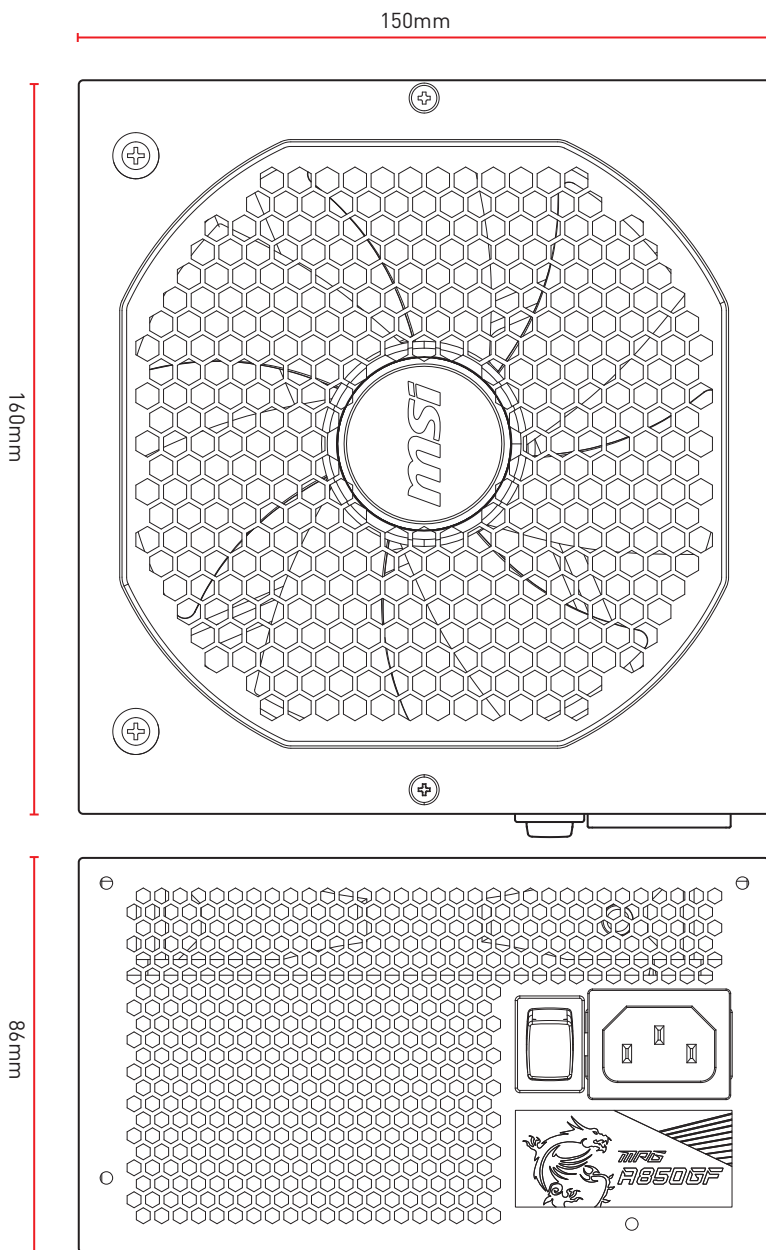
# 产品规格

650W								
电压	+5V	+3.3V	+12VMBPH	+12VCPU	+12VWGA1	+12VWGA2	-12V	+5Vsb
最大负载	20.0A	20.0A	25.0A	25.0A	30.0A	30.0A	0.3A	2.5A
最小负载	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
峰值负载	--	--	--	--	--	--	--	3.0A
组合功率	100W		650W					
调节	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
波纹噪声	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

750W								
电压	+5V	+3.3V	+12VMBPH	+12VCPU	+12VWGA1	+12VWGA2	-12V	+5Vsb
最大负载	22.0A	22.0A	25.0A	25.0A	35.0A	35.0A	0.3A	2.5A
最小负载	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
峰值负载	--	--	--	--	--	--	--	3.0A
组合功率	120W		750W					
调节	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
波纹噪声	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

850W								
电压	+5V	+3.3V	+12VMBPH	+12VCPU	+12VWGA1	+12VWGA2	-12V	+5Vsb
最大负载	22.0A	22.0A	25.0A	25.0A	40.0A	40.0A	0.3A	2.5A
最小负载	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
峰值负载	--	--	--	--	--	--	--	3.0A
组合功率	120W		850W					
调节	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±5%
波纹噪声	40mV	40mV	60mV	60mV	60mV	60mV	80mV	50mV

# 尺寸

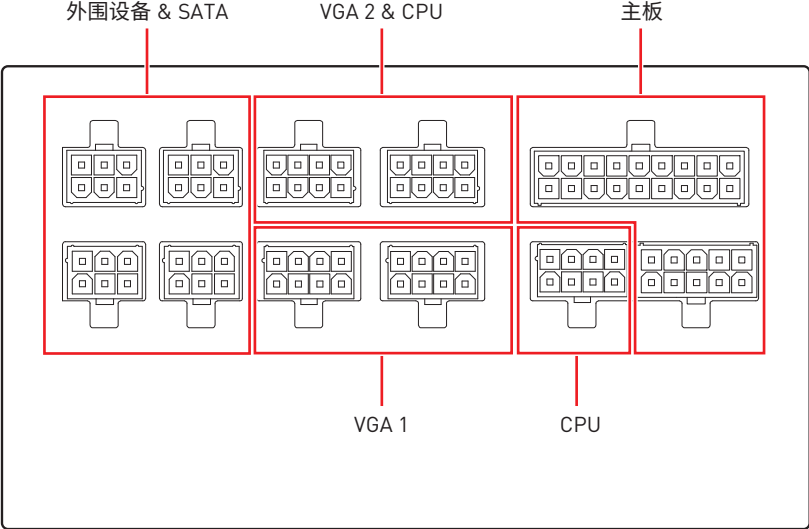


## 电源接口数量

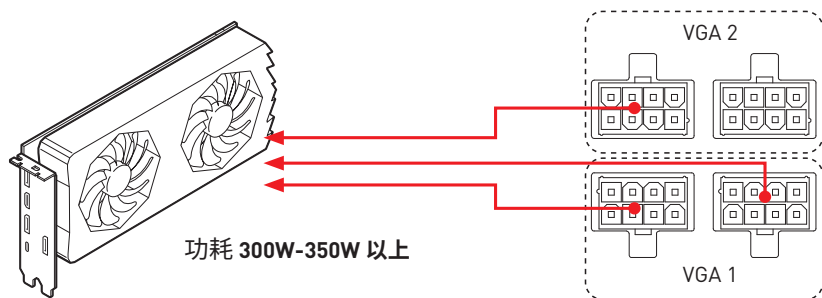
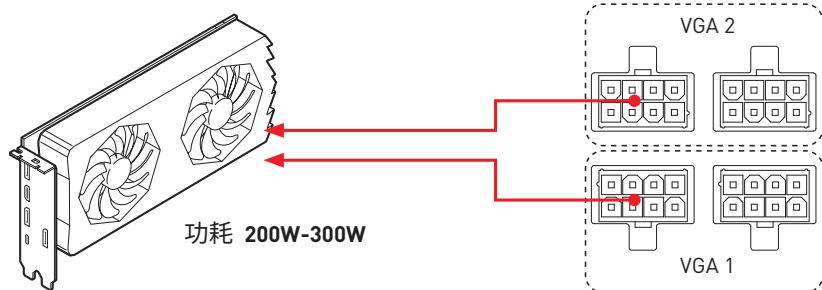
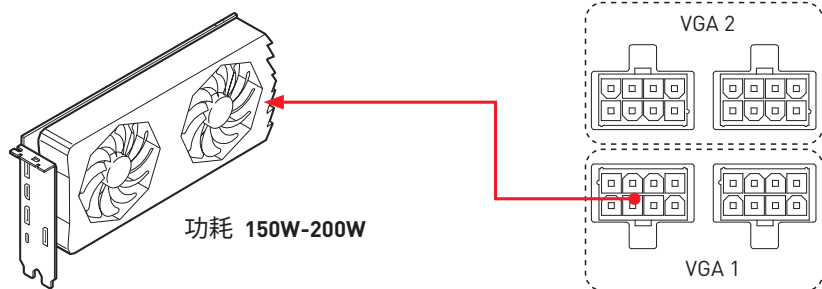
电源接口	A650GF	A750GF/ A750GF WHITE	A850GF
ATX12V (主板) 20+4 针	1	1	1
EPS12V (CPU) 4+4 针	2	2	2
PCIe (VGA) 6+2 针	4	6	6
SATA 15 针	8	8	8
外围设备 4 针	4	4	4
FDD 4 针	1	1	1



# 可拆卸接口



# 显卡电源连接



# Contenuti

Specifiche .....	2
Dimensioni .....	3
Numero di connettori di alimentazione .....	4
Connettori rimovibili .....	5
Collegamento dell'alimentazione delle schede grafiche .....	6

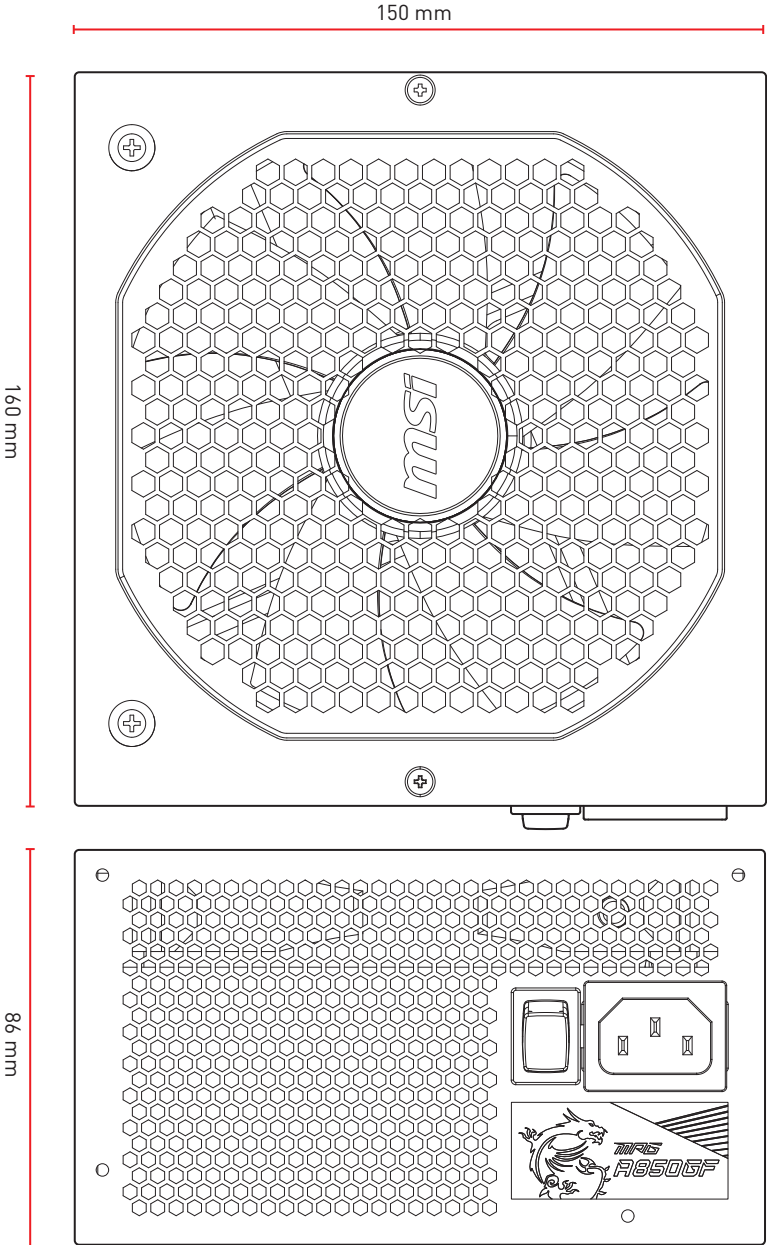
# Specifiche

650 W								
Tensione	+5 V	+3,3 V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12 V	+5 Vs <b>b</b>
Carico max.	20,0 A	20,0 A	25,0 A	25,0 A	30,0 A	30,0 A	0,3 A	2,5 A
Carico min.	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A
Carico di picco	--	--	--	--	--	--	--	3,0 A
Potenza combinata	100 W		650 W					
Regolazione	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
Ondulazione e rumore	40 mV	40 mV	60 mV	60 mV	60 mV	60 mV	50 mV	50 mV

750 W								
Tensione	+5 V	+3,3 V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12 V	+5 Vs <b>b</b>
Carico max.	22,0 A	22,0 A	25,0 A	25,0 A	35,0 A	35,0 A	0,3 A	2,5 A
Carico min.	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A
Carico di picco	--	--	--	--	--	--	--	3,0 A
Potenza combinata	120 W		750 W					
Regolazione	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
Ondulazione e rumore	40 mV	40 mV	60 mV	60 mV	60 mV	60 mV	50 mV	50 mV

850 W								
Tensione	+5 V	+3,3 V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12 V	+5 Vs <b>b</b>
Carico max.	22,0 A	22,0 A	25,0 A	25,0 A	40,0 A	40,0 A	0,3 A	2,5 A
Carico min.	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A
Carico di picco	--	--	--	--	--	--	--	3,0 A
Potenza combinata	120 W		850 W					
Regolazione	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±5%
Ondulazione e rumore	40 mV	40 mV	60 mV	60 mV	60 mV	60 mV	80 mV	50 mV

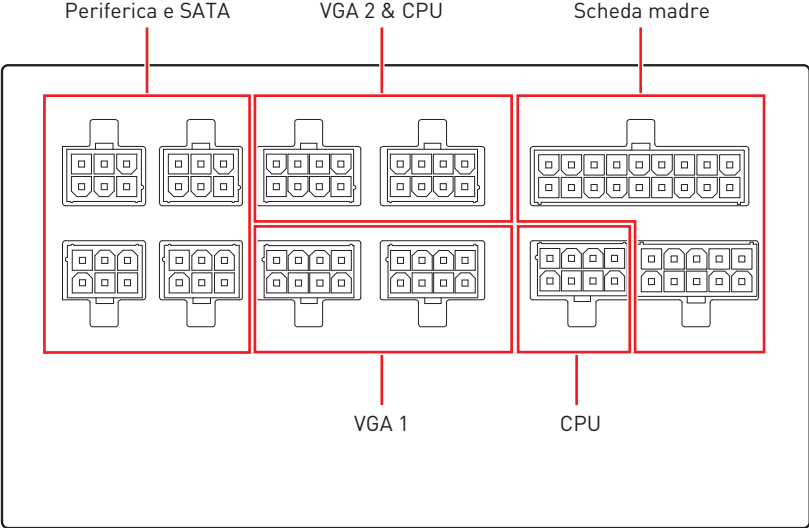
# Dimensioni



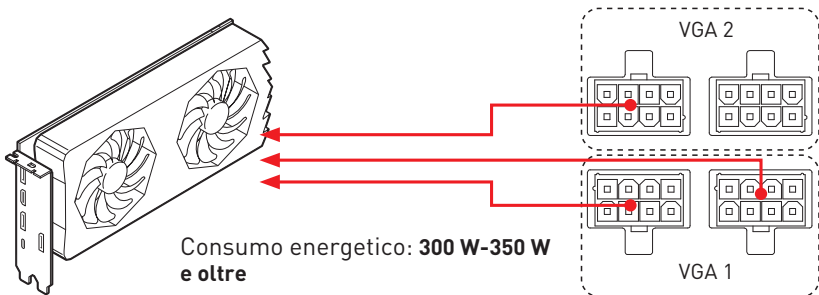
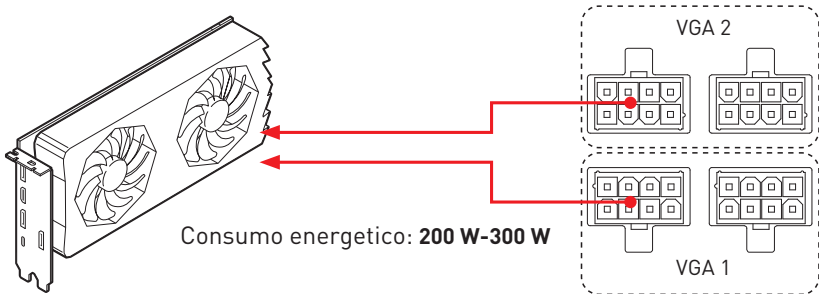
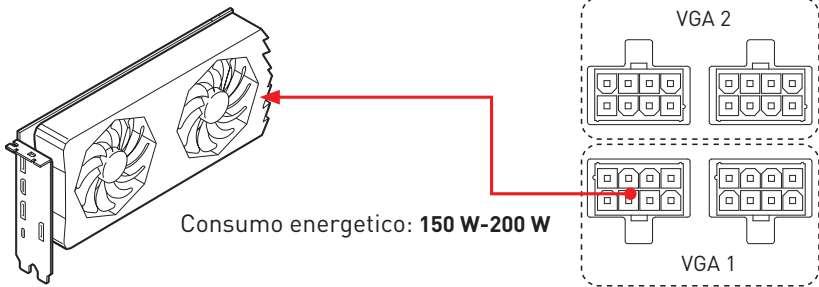
## Numero di connettori di alimentazione

Connettori di alimentazione	A650GF	A750GF/ A750GF WHITE	A850GF
ATX12V (scheda madre) 20+4 pin	1	1	1
EPS12V (CPU) 4+4 pin	2	2	2
PCIe (VGA) 6+2 pin	4	6	6
SATA 15 pin	8	8	8
Periferica 4 pin	4	4	4
FDD 4 pin	1	1	1

# Connettori rimovibili



# Collegamento dell'alimentazione delle schede grafiche





# Spis treści

Dane techniczne .....	2
Wymiary.....	3
Liczba złączy zasilania .....	4
Odtączane złącza .....	5
Podłączenie zasilania karty graficznej.....	6

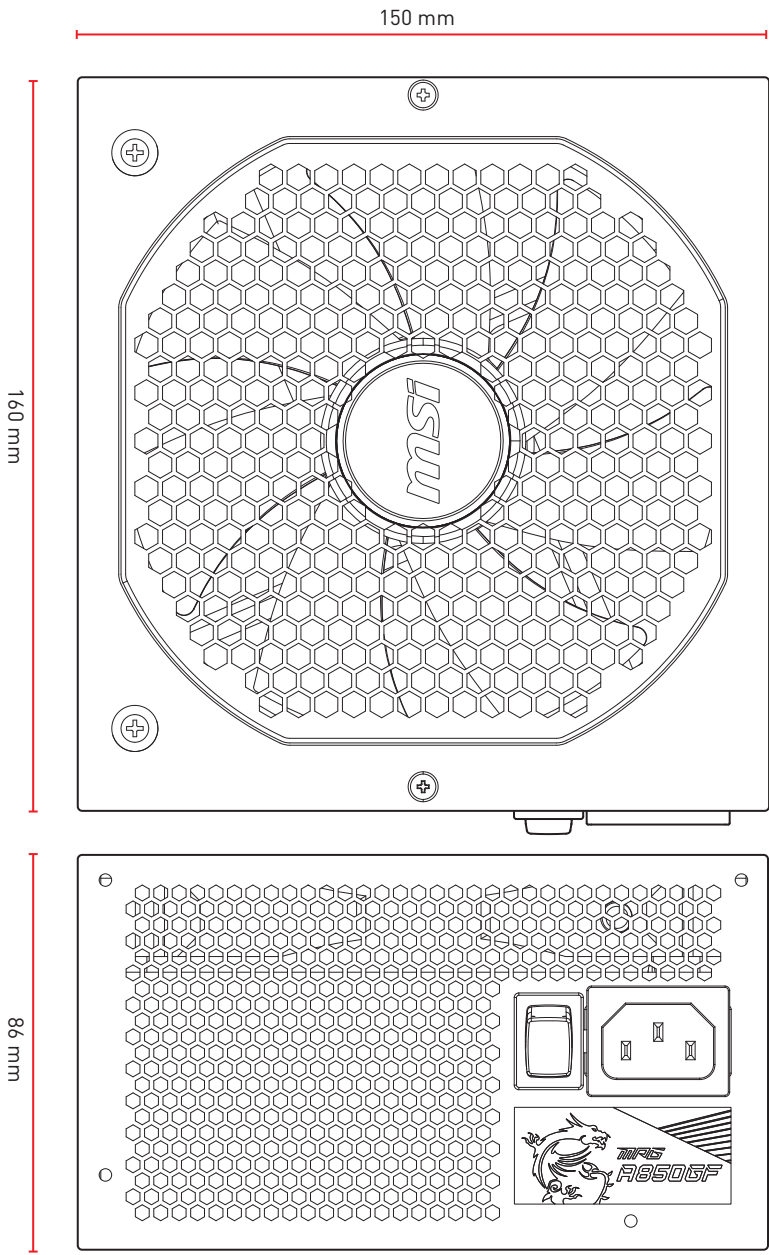
# Dane techniczne

650 W								
Napięcie	+5 V	+3,3 V	+12VMBPH	+12VCPU	+12VWGA1	+12VWGA2	-12 V	+5 Vsb
Maks. obciążenie	20,0 A	20,0 A	25,0 A	25,0 A	30,0 A	30,0 A	0,3 A	2,5 A
Min. obciążenie	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A
Szczytowe obciążenie	--	--	--	--	--	--	--	3,0 A
Łączna moc	100 W		650 W					
Regulacja	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
Tętnienia i szumy	40 mV	40 mV	60 mV	60 mV	60 mV	60 mV	50 mV	50 mV

750 W								
Napięcie	+5 V	+3,3 V	+12VMBPH	+12VCPU	+12VWGA1	+12VWGA2	-12 V	+5 Vsb
Maks. obciążenie	22,0 A	22,0 A	25,0 A	25,0 A	35,0 A	35,0 A	0,3 A	2,5 A
Min. obciążenie	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A
Szczytowe obciążenie	--	--	--	--	--	--	--	3,0 A
Łączna moc	120 W		750 W					
Regulacja	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
Tętnienia i szumy	40 mV	40 mV	60 mV	60 mV	60 mV	60 mV	50 mV	50 mV

850 W								
Napięcie	+5 V	+3,3 V	+12VMBPH	+12VCPU	+12VWGA1	+12VWGA2	-12 V	+5 Vsb
Maks. obciążenie	22,0 A	22,0 A	25,0 A	25,0 A	40,0 A	40,0 A	0,3 A	2,5 A
Min. obciążenie	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A
Szczytowe obciążenie	--	--	--	--	--	--	--	3,0 A
Łączna moc	120 W		850 W					
Regulacja	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±5%
Tętnienia i szumy	40 mV	40 mV	60 mV	60 mV	60 mV	60 mV	80 mV	50 mV

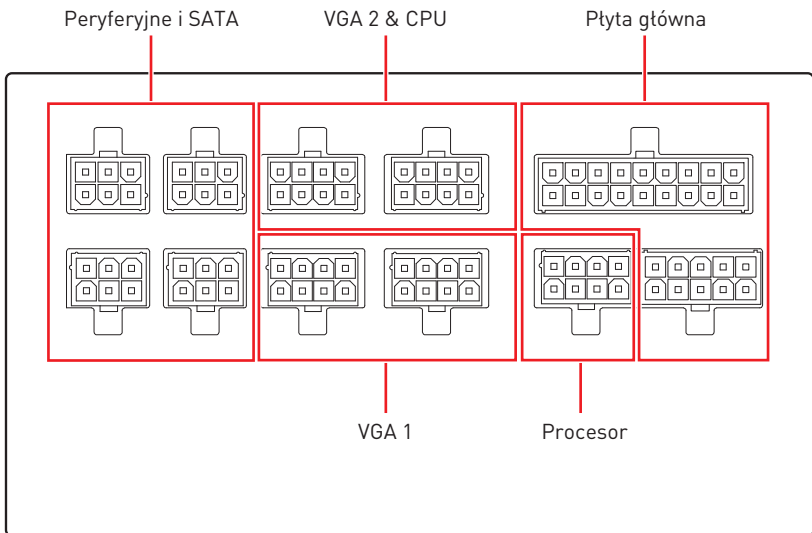
# Wymiary



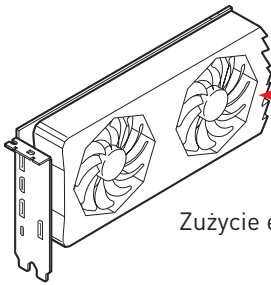
# Liczba złączy zasilania

Złącza zasilania	A650GF	A750GF/A750GF WHITE	A850GF
ATX12V (płyta główna) 20+4 piny	1	1	1
EPS12V (procesor) 4+4 piny	2	2	2
PCIe (VGA) 6+2 piny	4	6	6
SATA 15 pinów	8	8	8
Peryferyjne 4 piny	4	4	4
FDD 4 piny	1	1	1

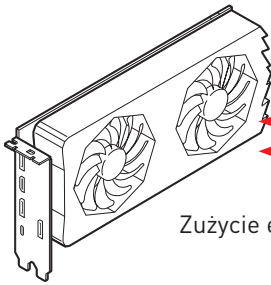
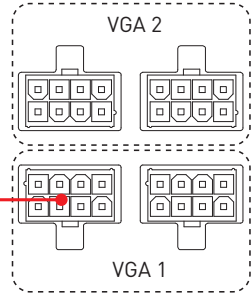
# Odtaczane złącza



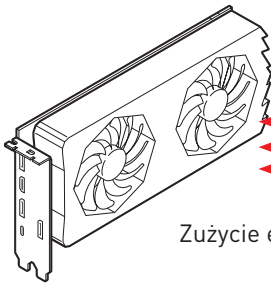
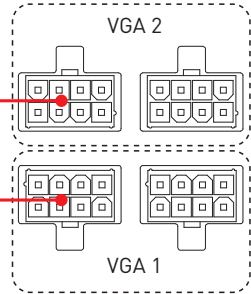
# Podłączenie zasilania karty graficznej



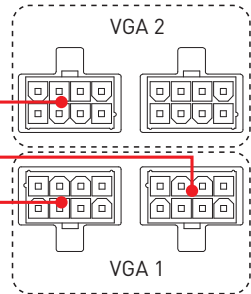
Zużycie energii: **150W-200W**



Zużycie energii: **200W-300W**



Zużycie energii: **300W-350W maks.**



# Índice

Especificações .....	2
Dimensões .....	3
Número de conectores de alimentação .....	4
Conectores amovíveis .....	5
Ligação elétrica das placas gráficas.....	6

# Especificações

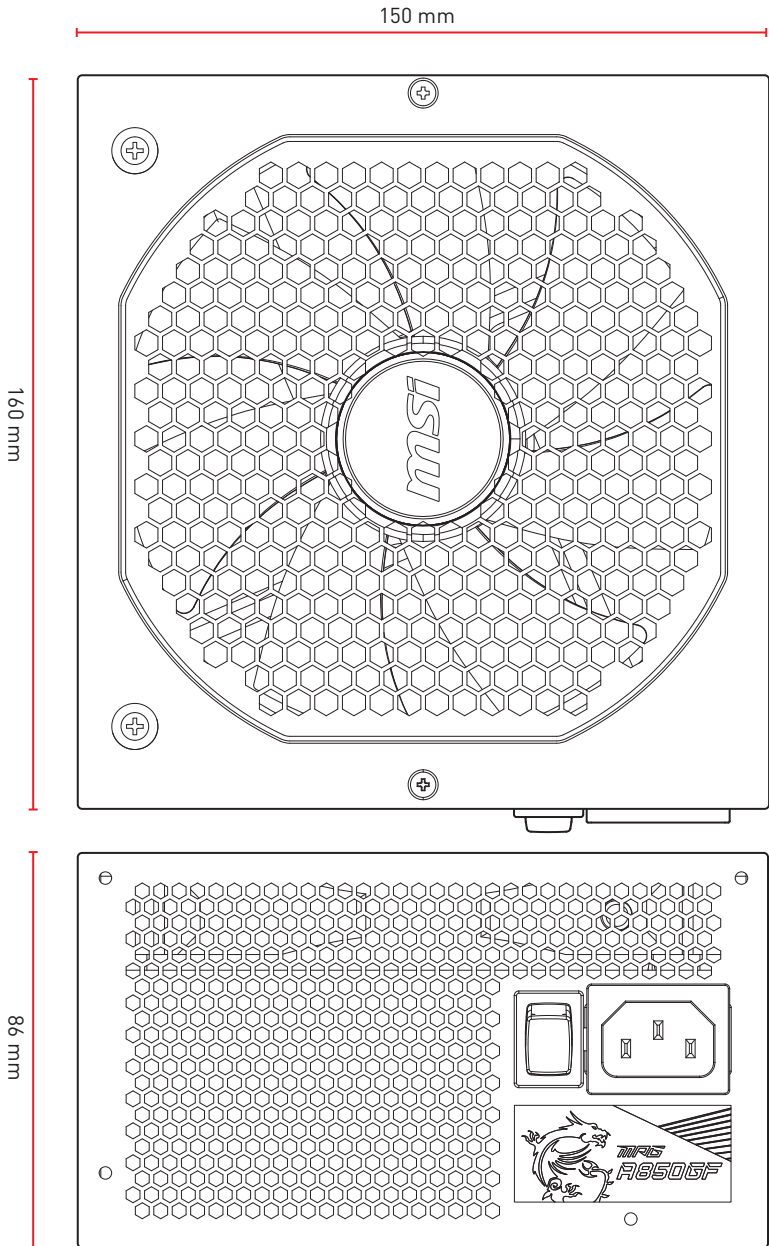
650W								
Tensão	+5V	+3,3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
Carga máx.	20,0A	20,0A	25,0A	25,0A	30,0A	30,0A	0,3A	2,5A
Carga mín.	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A
Carga de pico	--	--	--	--	--	--	--	3,0A
Potência combinada	100W		650W					
Regulação	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
Ruído e ondulação	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

750W								
Tensão	+5V	+3,3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
Carga máx.	22,0A	22,0A	25,0A	25,0A	35,0A	35,0A	0,3A	2,5A
Carga mín.	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A
Carga de pico	--	--	--	--	--	--	--	3,0A
Potência combinada	120W		750W					
Regulação	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
Ruído e ondulação	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

850W								
Tensão	+5V	+3,3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
Carga máx.	22,0A	22,0A	25,0A	25,0A	40,0A	40,0A	0,3A	2,5A
Carga mín.	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A
Carga de pico	--	--	--	--	--	--	--	3,0A
Potência combinada	120W		850W					
Regulação	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±5%
Ruído e ondulação	40mV	40mV	60mV	60mV	60mV	60mV	80mV	50mV



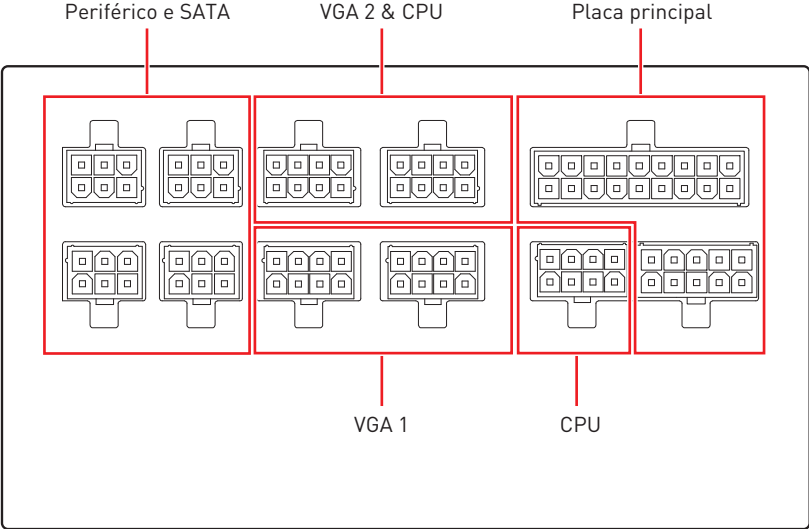
# Dimensões



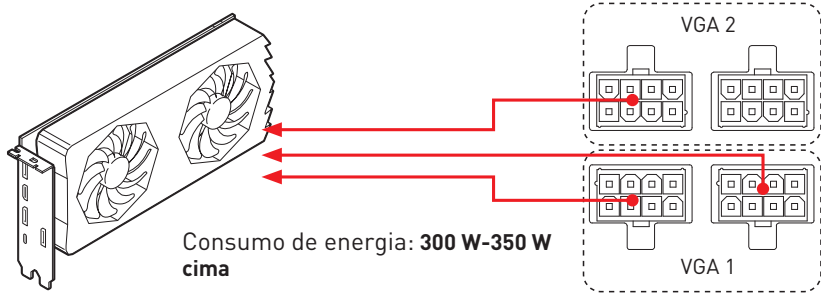
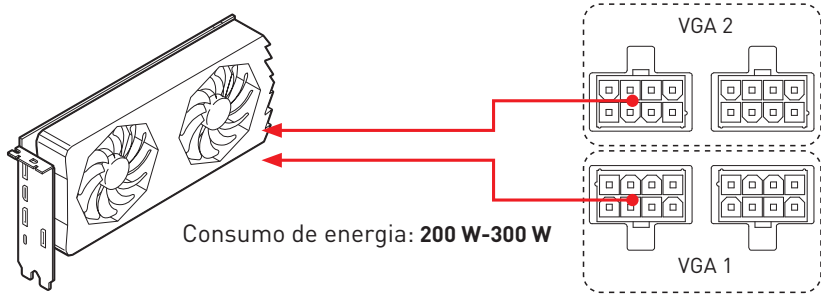
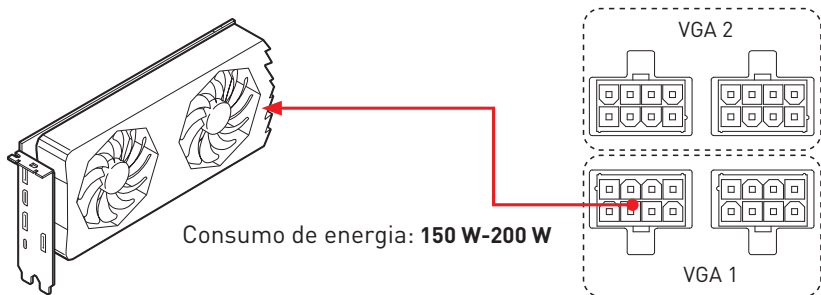
## Número de conectores de alimentação

Conectores de alimentação	A650GF	A750GF/ A750GF BRANCO	A850GF
ATX12V (placa principal) 20+4 pinos	1	1	1
EPS12V (CPU) 4+4 pinos	2	2	2
PCIe (VGA) 6+2 pinos	4	6	6
SATA 15 pinos	8	8	8
Periférico 4 pinos	4	4	4
FDD 4 pinos	1	1	1

# Conectores amovíveis



# Ligação elétrica das placas gráficas



# Contenido

Especificaciones .....	2
Dimensiones .....	3
Número de conectores de alimentación .....	4
Conectores desmontables.....	5
Conexión de alimentación de las tarjetas gráficas.....	6

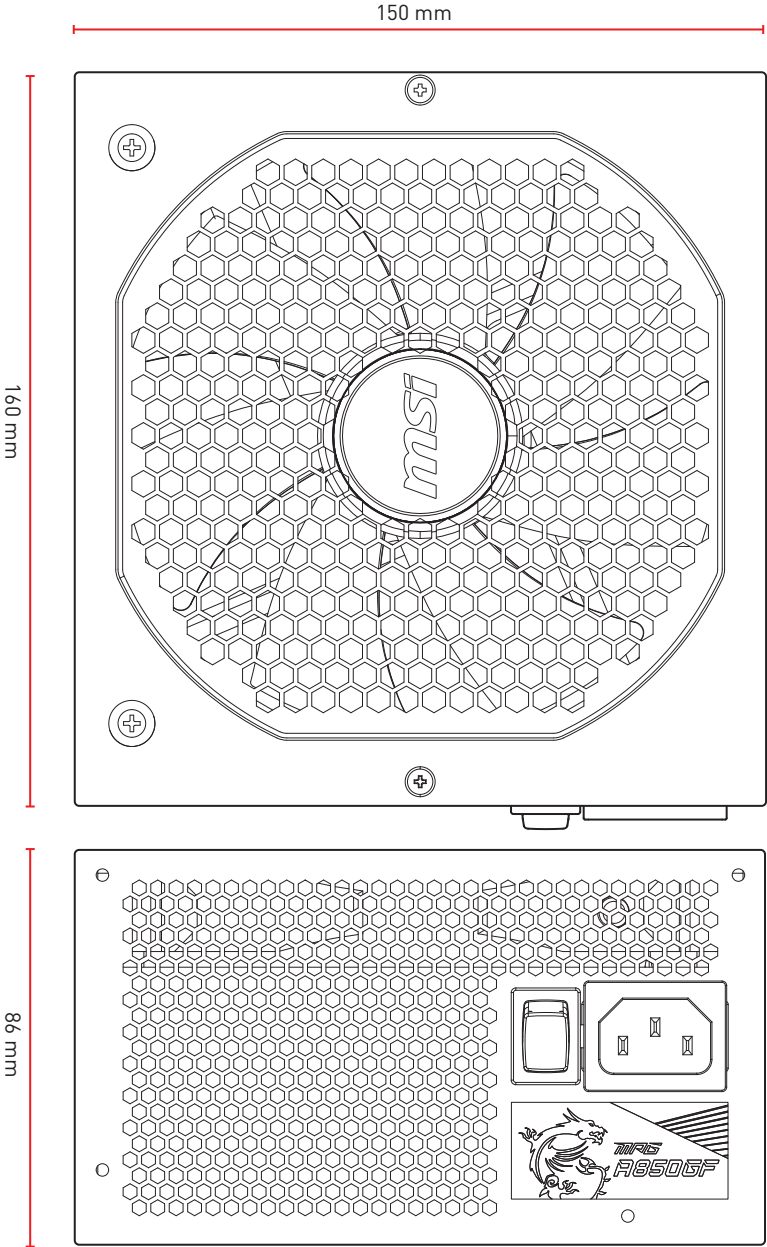
# Especificaciones

650 W								
Tensión	+5 V	+3,3 V	+12VMBPH	+12VCPU	+12VWGA1	+12VWGA2	-12 V	+5 Vsb
Carga máxima	20,0 A	20,0 A	25,0 A	25,0 A	30,0 A	30,0 A	0,3 A	2,5 A
Carga mínima	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A
Carga de pico	--	--	--	--	--	--	--	3,0 A
Potencia combinada	100 W		650 W					
Regulación	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
Pulso y ruido	40 mV	40 mV	60 mV	60 mV	60 mV	60 mV	50 mV	50 mV

750 W								
Tensión	+5 V	+3,3 V	+12VMBPH	+12VCPU	+12VWGA1	+12VWGA2	-12 V	+5 Vsb
Carga máxima	22,0 A	22,0 A	25,0 A	25,0 A	35,0 A	35,0 A	0,3 A	2,5 A
Carga mínima	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A
Carga de pico	--	--	--	--	--	--	--	3,0 A
Potencia combinada	120 W		750 W					
Regulación	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±4%
Pulso y ruido	40 mV	40 mV	60 mV	60 mV	60 mV	60 mV	50 mV	50 mV

850 W								
Tensión	+5 V	+3,3 V	+12VMBPH	+12VCPU	+12VWGA1	+12VWGA2	-12 V	+5 Vsb
Carga máxima	22,0 A	22,0 A	25,0 A	25,0 A	40,0 A	40,0 A	0,3 A	2,5 A
Carga mínima	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A	0,0 A
Carga de pico	--	--	--	--	--	--	--	3,0 A
Potencia combinada	120 W		850 W					
Regulación	±4%	±4%	±4%	±4%	±4%	±4%	±10%	±5 %
Pulso y ruido	40 mV	40 mV	60 mV	60 mV	60 mV	60 mV	80 mV	50 mV

# Dimensiones

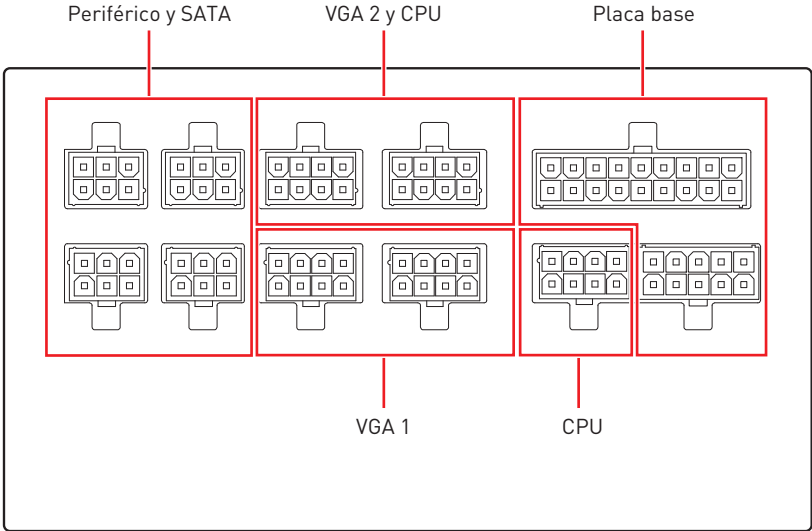


# Número de conectores de alimentación

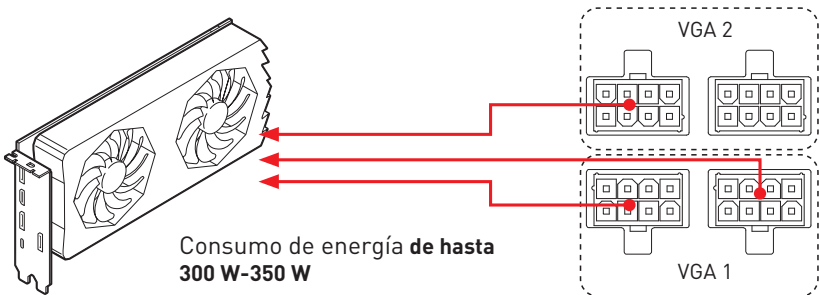
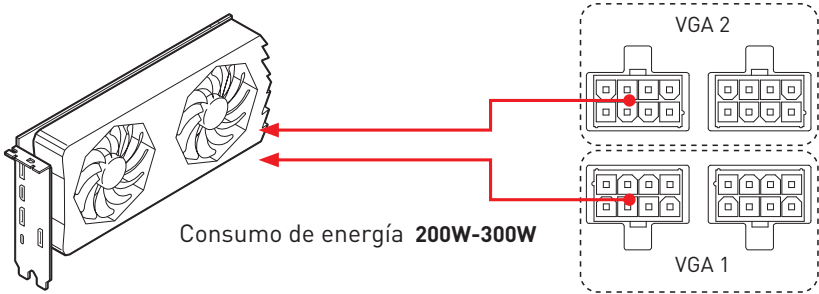
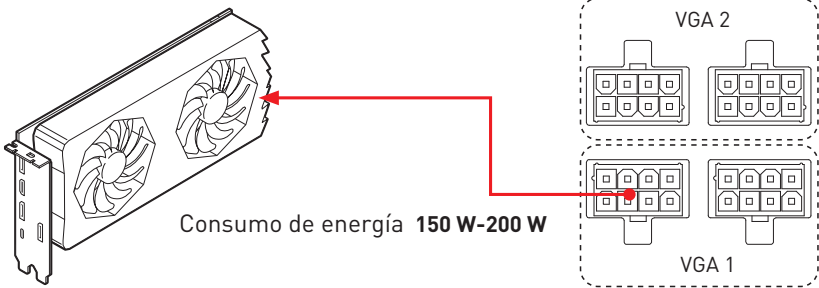
Conectores de alimentación	A650GF	A750GF/ A750GF WHITE	A850GF
ATX12V (placa base) de 20+4 contactos	1	1	1
EPS12V (CPU) de 4+4 contactos	2	2	2
PCIe (VGA) de 6+2 contactos	4	6	6
SATA de 15 contactos	8	8	8
Molex de 4 contactos	4	4	4
FDD de 4 contactos	1	1	1



# Conectores desmontables



# Conexión de alimentación de las tarjetas gráficas



# İçindekiler

Teknik Özellikler.....	2
Boyutlar.....	3
Güç Konektörü Sayısı.....	4
Ayrılabilir Konektörler.....	5
Grafik Kartı Güç Bağlantısı.....	6

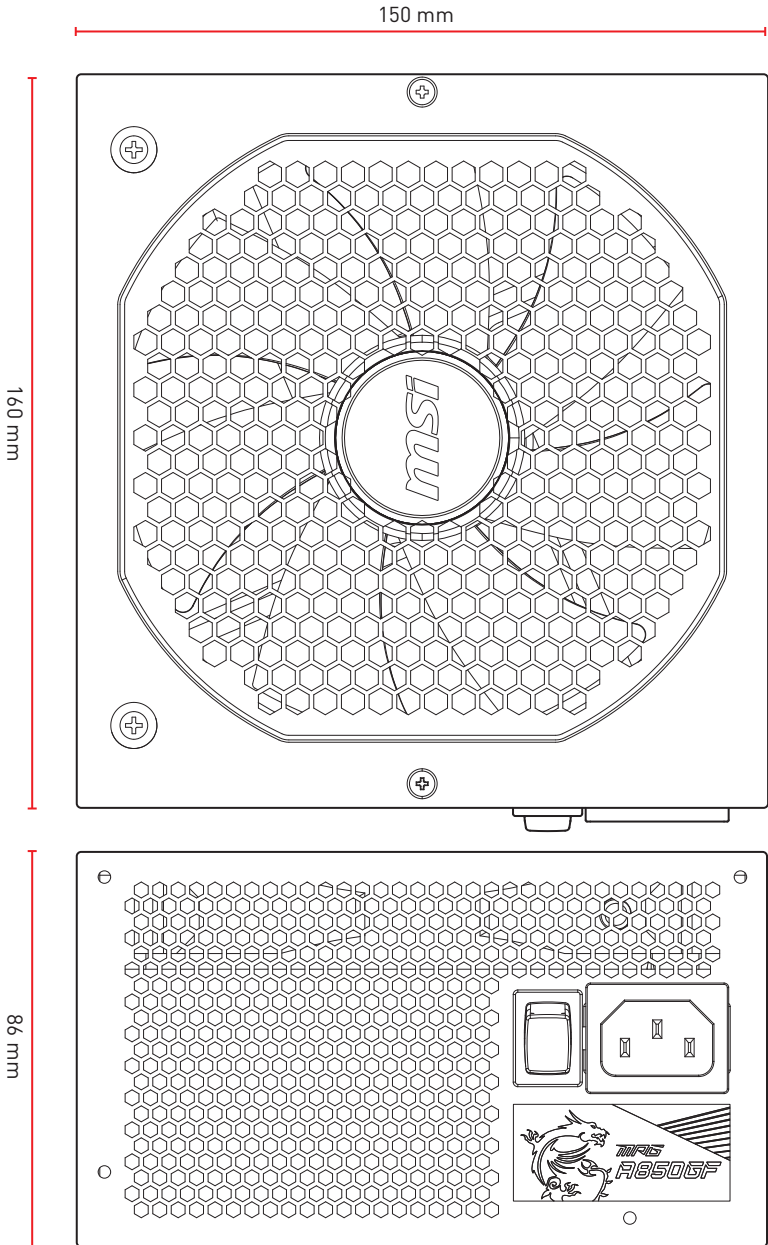
# Teknik Özellikler

650W								
Voltaj	+5V	+3,3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
Maks. yük	20,0A	20,0A	25,0A	25,0A	30,0A	30,0A	0,3A	2,5A
Min. yük	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A
Pik yük	--	--	--	--	--	--	--	3,0A
Birleşik güç	100W		650W					
Regülasyon	±%4	±%4	±%4	±%4	±%4	±%4	±%10	±%4
Dalgalanma ve Gürültü	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

750W								
Voltaj	+5V	+3,3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
Maks. yük	22,0A	22,0A	25,0A	25,0A	35,0A	35,0A	0,3A	2,5A
Min. yük	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A
Pik yük	--	--	--	--	--	--	--	3,0A
Birleşik güç	120W		750W					
Regülasyon	±%4	±%4	±%4	±%4	±%4	±%4	±%10	±%4
Dalgalanma ve Gürültü	40mV	40mV	60mV	60mV	60mV	60mV	50mV	50mV

850W								
Voltaj	+5V	+3,3V	+12VMBPH	+12VCPU	+12WGA1	+12WGA2	-12V	+5Vsb
Maks. yük	22,0A	22,0A	25,0A	25,0A	40,0A	40,0A	0,3A	2,5A
Min. yük	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A	0,0A
Pik yük	--	--	--	--	--	--	--	3,0A
Birleşik güç	120W		850W					
Regülasyon	±%4	±%4	±%4	±%4	±%4	±%4	±%10	±%5
Dalgalanma ve Gürültü	40mV	40mV	60mV	60mV	60mV	60mV	80mV	50mV

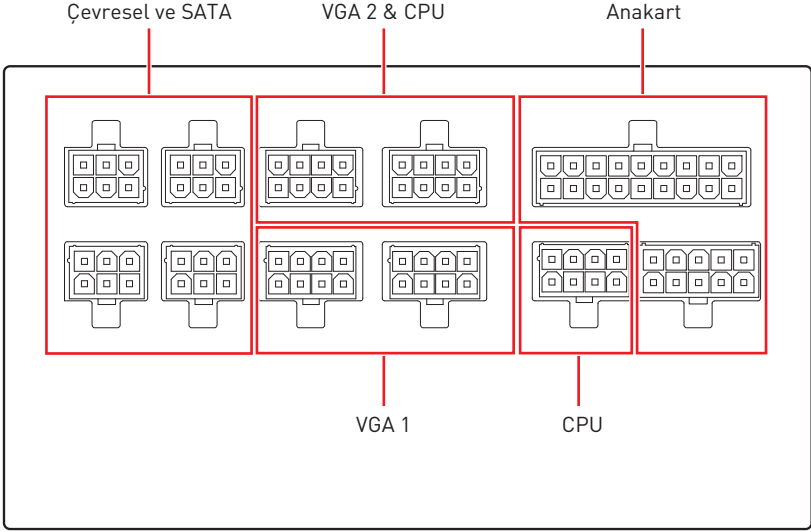
# Boyutlar



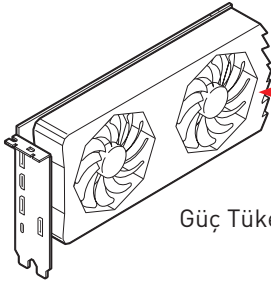
# Güç Konektörü Sayısı

Güç Konektörleri	A650GF	A750GF/ A750GF BEYAZ	A850GF
ATX12V (Anakart) 20+4 pin	1	1	1
EPS12V (CPU) 4+4 pin	2	2	2
PCIe (VGA) 6+2 pin	4	6	6
SATA 15 pin	8	8	8
Çevresel 4 pin	4	4	4
FDD 4 pin	1	1	1

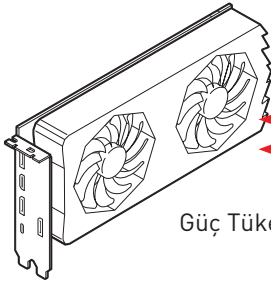
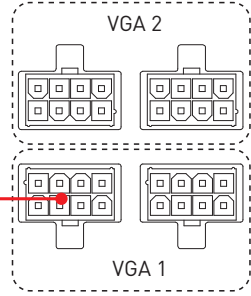
# Ayrılabilir Konektörler



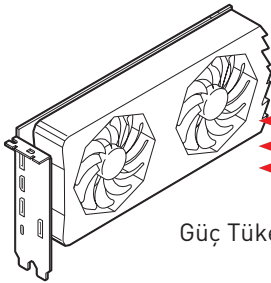
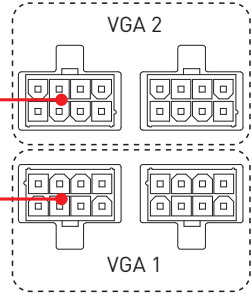
# Grafik Kartı Güç Bağlantısı



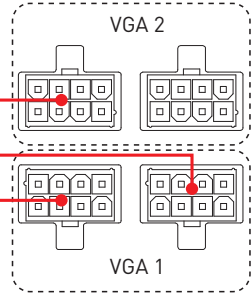
Güç Tüketimi **150W-200W**



Güç Tüketimi **200W-300W**



Güç Tüketimi **300W-350W üstü**





# Regulatory Notices

## KC인증서

### MPG A650GF



R-R-MSI-MS-7ZP0  
YU10061-21002

상호: (주)엠에스아이코리아  
제품명: 컴퓨터용 전원공급장치  
모델명: MS-7ZP0  
제조년월: 2021년  
제조사 및 제조국가: MSI/중국  
서비스 센터: 1644-4038

### MPG A750GF/ MPG A750GF WHITE



R-R-MSI-MS-7ZP0  
YU10061-21002

상호: (주)엠에스아이코리아  
제품명: 컴퓨터용 전원공급장치  
모델명: MS-7ZP0  
제조년월: 2021년  
제조사 및 제조국가: MSI/중국  
서비스 센터: 1644-4038

### MPG A850GF



R-R-MSI-MS-7ZP0  
YU10061-21001

상호: (주)엠에스아이코리아  
제품명: 컴퓨터용 전원공급장치  
모델명: MS-7ZP0  
제조년월: 2021년  
제조사 및 제조국가: MSI/중국  
서비스 센터: 1644-4038

## Model Number

**Model No.:** GPU650V, GPU750V, GPU850V

