

## **Description**

GameMax performance range power supplies are a great choice if you are building a home or office system as a mainstream model, there is a total of 5 Sata connectors for Raid storage and up to 85% efficiency for power saving and a single +12V rail for extreme CPU/GPU power consumption. Good DC quality with lower ripple and noise and fully protected functions are used to guard your components in the system. When installing there is no struggle with the longer 20 + 4 pin and 4 + 4 pin connectors measuring 550mm.

## **Key Features**

- Elegant black PSU casing with full black mesh cables
- ATX12V Ver.2.30 compliant with ATX12V Ver.2.31
- High efficiency PSU, up to 85% efficiency
- Single 12V Rail for high compatibility and extreme high current output
- Longer 20 + 4 and 4 + 4 pins up to 550mm is easy for high-end tower chassis installation
- 14cm silent black fan with smart thermal fan speed control circuit
- Full protection functions with OVP / UVP / OPP / SCP / SIP
- Safety and EMC certified by CE
- ECO friendly by RoHS and Erp 2013 directives

## **PSU Specifications**

AC INPUT: 100-240 VAC 4-8A 50-60Hz						
DC Output Max	+3.3V	+5V	+12V1	+12V2	-12V	+5VSB
	18A	18A	22A	22A	0.5A	2.5A
<b>650W</b>						

## **Connectors**



20+4 Pin Main Connectors:

1



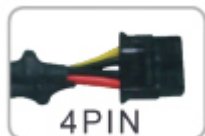
4+4 Pin 12V Connectors:

1



SATA Connectors:

5



4-Pin Molex Connectors:

3



6+2 Pin PCI-e Connectors:

2

## **Detailed Specifications**

<b>Dimensions:</b>	158mm x 85mm x 150mm (W x H x D)
<b>Input Voltage:</b>	100-240 VAC
<b>Input Current:</b>	4-8A
<b>Input Frequency</b>	50-60Hz

<b>Range:</b>	
<b>PFC:</b>	Active PFC (>.99)
<b>Power Good Signal:</b>	100-500 ms
<b>Hold Up Time:</b>	>17ms
<b>Efficiency:</b>	> 81% (85% max)
<b>MTBF:</b>	> 100,000 Hours
<b>Protection:</b>	OVP / UVP/ OTP / OCP/ OLP/ OPP/ SCP
<b>Power:</b>	650W
<b>Operation Temperature:</b>	0-40°C
<b>Safety:</b>	CE/FCC/CB
<b>Cooling:</b>	140mm Ultra Silent Fan
<b>Noise:</b>	<25dBa
<b>80 Plus Certified:</b>	Yes - 80 Plus Bronze

### General Specifications

<b>Manufacturer Part Number:</b>	GP-650
<b>EAN Number:</b>	6931858720069
<b>Has Mains Plug:</b>	No
<b>Colour:</b>	Black
<b>What's In The Box:</b>	Power Supply Screws Manual 2 x Cable Ties
<b>Unit (Product) Dimensions (mm):</b>	150mm x 85mm x 140mm (W x H x D)
<b>Packaging Dimensions (mm):</b>	300mm x 180mm x 115mm (W x H x D)
<b>Net Weight (KGs):</b>	1.7 KGs
<b>Gross Weight (KGs):</b>	2.1 KGs