



## Rebel P20

With full ATX 3.1 compatibility and an integrated 12V-2x6 connector, the Rebel P20 ensures reliable performance for hardware systems that are also equipped with modern graphics cards. With its fully modular cable set, the Cybenetics Gold-certified PSU can be installed neatly and tidily and runs especially quietly thanks to a 120 mm fan with Zero RPM mode.

## Features

### ■ CERTIFIED EFFICIENCY

The Rebel P20 has been awarded the Gold certificate by the independent Cybenetics laboratory due to an overall efficiency of at least 87 % at 115 V and 89 % at 230 V, as well as a 5 V<sub>SB</sub> efficiency of 75 %. The Rebel P20 models with 1,000 and 1,200 watts have even achieved a Platinum certification.

### ■ DESIGNED FOR MODERN GRAPHICS CARDS

With its ATX 3.1 compatibility and a 12V-2x6 connection, the Rebel P20 is perfectly designed for the high-performance operation of modern high-end graphics cards.

### ■ QUIET FAN WITH ZERO RPM MODE

The Rebel P20 comes with 120 mm fan that is low-noise certified and is provided with a Zero RPM mode. At low and moderate loads, this will switch off the fan rotation completely for an almost silent operation.

### ■ FULLY MODULAR CABLES

For more tidiness and better organization inside the PC case, the Rebel P20 is supplied with a fully modular cable set. This ensures that only the cables that are actually needed are connected to the PSU.

### ■ HIGH-QUALITY COMPONENTS

The Rebel P20 is equipped with all-Japanese capacitors, stable LLC resonant converters, and DC/DC technology to ensure a flawless operation.

### ■ FULL PROTECTION

Whether its over-current protection or over-power protection: The Rebel P20 is equipped with all protective functions to ensure a continuously safe operation within the hardware system.

## Specifications

|                           |                                                                                                            |
|---------------------------|------------------------------------------------------------------------------------------------------------|
| Product Name              | Rebel P20                                                                                                  |
| Certification             | Cybenetics Gold:<br>Rebel P20 750, Rebel P20 850<br>Cybenetics Platinum:<br>Rebel P20 1000, Rebel P20 1200 |
| Form Factor               | ATX 3.1                                                                                                    |
| Continuous Power          | 750 W, 850 W, 1,000 W, 1,200 W                                                                             |
| ErP Compliant             | ✓                                                                                                          |
| Technology                | DC/DC                                                                                                      |
| All-Japanese Capacitors   | ✓                                                                                                          |
| Zero RPM                  | ✓                                                                                                          |
| MTBF                      | Min. 100,000 Hours                                                                                         |
| Operating Temperature     | 0 to +40 °C                                                                                                |
| Standby Power Consumption | Max. 0.25 W                                                                                                |
| Weight without Cables     | Rebel P20 750: 1.5 kg<br>Rebel P20 850: 1.6 kg<br>Rebel P20 1000: 1.7 kg<br>Rebel P20 1200: 1.7 kg         |
| Dimensions (L x W x H)    | 150 x 140 x 86 mm                                                                                          |
| Housing Color             | Black                                                                                                      |

### Fan

|              |                       |
|--------------|-----------------------|
| Fan Size     | 120 mm                |
| Bearing Type | Fluid Dynamic Bearing |

### Cable and Connectors

|                                  |               |
|----------------------------------|---------------|
| Cable Configuration              | Fully Modular |
| Flat Cables                      | ✓             |
| Maximum Cable Length             | 97 cm         |
| Length of Mainboard Cable        | 60 cm         |
| Length of CPU Cable              | 70 cm         |
| Length of 12V-2x6 Cable          | 60 cm         |
| Length of PCIe Cable             | 55 cm + 15 cm |
| Cable Length to First Peripheral | 50 cm         |
| 24-Pin Mainboard Connector       | 1             |
| 4+4-Pin CPU Connector            | 2             |
| 6+2-Pin PCIe Connector           | 4             |
| 12V-2x6 Connector                | 1             |
| SATA Connector                   | 11            |
| IDE Connector                    | 1             |

### Package Contents

Rebel P20, Power Cord, Set of Modular Cables, Mounting Screws

### EAN Code

|                |               |
|----------------|---------------|
| Rebel P20 750  | 4044951040612 |
| Rebel P20 850  | 4044951040629 |
| Rebel P20 1000 | 4044951040636 |
| Rebel P20 1200 | 4044951040643 |



## Input

|                           |                                                                                                             |
|---------------------------|-------------------------------------------------------------------------------------------------------------|
| Voltage                   | 100 – 240 VAC                                                                                               |
| Frequency                 | 50 – 60 Hz                                                                                                  |
| Input Current (110/230 V) | Rebel P20 750: 9 / 4.5 A<br>Rebel P20 850: 10 / 5 A<br>Rebel P20 1000: 12 / 6 A<br>Rebel P20 1200: 14 / 7 A |

## Safety Standards

CE, FCC, CB

## Protections

|                                   |   |
|-----------------------------------|---|
| OCP (Over-Current Protection)     | ✓ |
| OVP (Over-Voltage Protection)     | ✓ |
| UVP (Under-Voltage Protection)    | ✓ |
| SCP (Short-Circuit Protection)    | ✓ |
| OTP (Over-Temperature Protection) | ✓ |
| OPP (Over-Power Protection)       | ✓ |

## Output:

|                                 |                                                                                                      |
|---------------------------------|------------------------------------------------------------------------------------------------------|
| 12 V Rail(s)                    | 1                                                                                                    |
| Load 3.3 V                      | 20 A                                                                                                 |
| Load 5 V                        | 20 A                                                                                                 |
| Max. Combined Power 3.3 V + 5 V | 100 W                                                                                                |
| Load 12 V1                      | Rebel P20 750: 62.5 A<br>Rebel P20 850: 70.8 A<br>Rebel P20 1000: 83.3 A<br>Rebel P20 1200: 100 A    |
| Max. Combined Power 12 V        | Rebel P20 750: 750 W<br>Rebel P20 850: 849.6 W<br>Rebel P20 1000: 999.6 W<br>Rebel P20 1200: 1,200 W |
| Load 5 V <sub>SB</sub>          | 3.0 A                                                                                                |
| Load -12 V                      | 0.3 A                                                                                                |
| Load 12V-2x6                    | Rebel P20 750: 450 W<br>Rebel P20 850/ 1000/ 1200: 600 W                                             |

