

Product code: 28200-P650B-1EUR

Product name : P650B

650W, 100-240 Vac, 50-60 Hz, Active PFC, 120mm

GIGABYTE P650B power supply unit 650 W 20+4 pin ATX ATX Black:

80 Plus Bronze Certified

80 Plus certified ensures the better power efficiency. Less power waste reduces the heat and fan noise. P650B can be up to 89% efficiency.

Reliable Mesh Braided Cable

P650B provides the best solution for the system builds. The mesh braided cable reduces the clutter and improves the airflow in the case.

100% Japanese Capacitors

All capacitors are high quality Japanese capacitors, to produce the efficient performance and to ensure the longer reliability.

Single +12V Rail

Single +12V rail provides the best power output, stability and compatibility for the hardware. And it is the best design for installation.

120mm Hydraulic Bearing (HYB) Fan

120mm Hydraulic Bearing fan optimizes the noise reduction and the thermal performance. The fan speed is adjusted according to the automatic power detection. The Hydraulic Bearing fan provides longer and more stable life time.

Power		Ports & interfaces	
Total power *	650 W	CPU power connector (4+4 pin)	✓
AC input voltage *	100 - 240 V	ATX Power connector (24-pin)	✓
AC input frequency	50 - 60 Hz	Floppy disk drive connector	✓
Input current	9, 4 A	PCI Express connector	✓
Power Factor Correction (PFC) type	Active	Cabling type	Non-Modular
Combined power (+3.3V)	108 W	Performance	
Combined power (+12V)	648 W	80 PLUS certification *	80 PLUS Bronze
Combined power (+5V)	108 W	Purpose *	PC
Combined power (-12V)	3.6 W	Power supply unit (PSU) form factor *	ATX
Combined power (+5Vsb)	12.5 W	ATX version	2.31
Max output current (+3.3V)	18 A	Mean time between failures (MTBF)	100000 h
Max output current (+12V)	0.3 A	Certification	CE/CCC/BSMI/KCC/EAC/UL/TUV/RCM/FCC/PSE
Max output current (+5V)	15 A	Design	
Max output current (-12V)	0.3 A	Product colour	Black
Max output current (+5Vsb)	2.5 A	Fan diameter	12 cm
Efficiency	85%	Number of fans	1 fan(s)
Power protection features	Over power, Over voltage, Overcharge, Short circuit, Under voltage	Fan location	Top
Ports & interfaces		Weight & dimensions	
Motherboard power connector *	20+4 pin ATX	Width	140 mm
Number of SATA power connectors	6	Depth	150 mm
Peripheral (Molex) power connectors (4-pin) *	3	Height	86 mm
PCI Express power connectors (6+2 pin)	4	Logistics data	
		Harmonized System (HS) code	84733020



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