

Zalman ZM650-GVII power supply unit 650 W 20+4 pin ATX ATX Black

Brand : Zalman

Product code: ZM650-GVII

Product name : ZM650-GVII

- Active PFC with up to 99.5% maximum power factor
- 12V DC-TO-DC converter with 99% availability
- System standby power at 0.5W or less
- Built-in EMI filter for noise reduction
- 105°C capacitor
- 120mm fan with FDB Bearing
- ErP Lot 6 Certified

Zalman ZM650-GVII power supply unit



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80 Plus Bronze 230V EU certified Power Supply Unit. It supplies smooth power to the PC while reducing unnecessary power consumption by using high-performance parts that are very durable and reliable. Zalman ZM650-GVII. Total power: 650 W, AC input voltage: 200 - 240 V, AC input frequency: 50 - 60 Hz. Motherboard power connector: 20+4 pin ATX, Motherboard power cable length: 55 cm, SATA power cable length: 400 mm. Purpose: PC, Power supply unit (PSU) form factor: ATX, 80 PLUS certification: 80 PLUS Bronze. Product colour: Black, Cooling type: Active, Fan diameter: 12 cm. Cables included: AC, CPU, PCIe, Peripheral (Molex), SATA

Power		Performance	
Total power *	650 W	Supported motherboard form factors	ATX, micro ATX, Mini-ATX
AC input voltage *	200 - 240 V	Purpose *	PC
AC input frequency	50 - 60 Hz	Power supply unit (PSU) form factor *	ATX
Input current	6 A	Noise level	36.3 dB
Power factor	99	Bearing technology	FDB
Power Factor Correction (PFC) type	Active	Mean time between failures (MTBF)	100000 h
Combined power (+3.3V)	110 W	Design	
Combined power (+12V)	648 W	Product colour	Black
Combined power (+5V)	110 W	Cooling type	Active
Combined power (-12V)	3.6 W	Fan diameter	12 cm
Combined power (+5Vsb)	12.5 W	Number of fans	1 fan(s)
Max output current (+3.3V)	20 A	Fan location	Top
Max output current (+12V)	54 A	On/off switch	✓
Max output current (+5V)	18 A	Operational conditions	
Max output current (-12V)	0.3 A	Operating temperature (T-T)	0 - 40 °C
Max output current (+5Vsb)	2.5 A	Storage temperature (T-T)	-40 - 70 °C
Efficiency	88%	Operating relative humidity (H-H)	5 - 85%
Power protection features	Over current, Over power, Over voltage, Short circuit, Under voltage	Storage relative humidity (H-H)	5 - 95%
Ports & interfaces		Packaging content	
Motherboard power connector *	20+4 pin ATX	Cables included	AC, CPU, PCIe, Peripheral (Molex), SATA
Motherboard power cable length	55 cm	Certificates	
Number of SATA power connectors	2	Compliance certificates	RoHS
SATA power cable length	400 mm	Certification	80 Plus, CB, CE, KC, EAC, RoHS
Peripheral (Molex) power connectors (4-pin) *	1		
Peripheral (Molex) power cable length	400 mm		
PCI Express power connectors (6+2 pin)	2		

Ports & interfaces		Safety regulation & standards	
PCI Express power cable length	50 cm	Safety	CB, CE, KC, EAC, RoHS
CPU power connector (4+4 pin)	✓	Weight & dimensions	
CPU power cable length	65 cm	Width	140 mm
ATX power connector (20+4 pin)	✓	Depth	150 mm
PCI Express connector	✓	Height	86 mm
Cabling type	Non-Modular	Weight	2.01 kg
Performance		Packaging data	
80 PLUS certification *	80 PLUS Bronze	Package width	180 mm
		Package depth	280 mm
		Package height	100 mm
		Package weight	2.05 kg
		Package type	Box
		Logistics data	
		Country of origin	China



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