



FSP HYPER 80+ PRO 650W Power supply unit ATX ATX3.1 Black

Brand : FSP

Product code: 9PA6507504

Product name : HYPER 80+ PRO 650W Power supply unit ATX ATX3.1 Black

- Efficiency $\geq 85\%$ @ typical load
- Active PFC ≥ 0.9
- Hold up time $> 17\text{ms}$ @80% load
- 450V, 105°C capacitors for a long product life cycle
- +12V single-rail design
- +5V & 3.3V DC to DC module design
- 120mm silent and long life fan
- All black round cables
- Complete protection: OCP/OVP/OPP/SCP

650 W, ATX 3.1, PCIe Gen 5,1, ESP 2.92, 80+, 150 x 140 x 86 mm

FSP HYPER 80+ PRO 650W Power supply unit ATX ATX3.1 Black. Total power: 650 W, AC input voltage: 220 - 240 V, AC input frequency: 50/60 Hz. Motherboard power connector: 24-pin ATX, Cabling type: Non-Modular. Purpose: PC/Server, 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: CPU, PCIe, Peripheral (Molex), SATA



Power		Ports & interfaces	
Total power *	650 W	CPU power connector (4+4 pin)	✓
AC input voltage *	220 - 240 V	Floppy drive power connector	1
AC input frequency	50/60 Hz	Floppy disk drive connector	✓
Input current	5 A	Cabling type	Non-Modular
Power factor	0.9	Performance	
Power Factor Correction (PFC) type	Active	80 PLUS certification *	80 PLUS Bronze
Combined power (+3.3V)	100 W	Purpose *	PC/Server
Combined power (+12V)	649.2 W	Power supply unit (PSU) form factor *	ATX
Combined power (+5V)	100 W	ATX version	3.1
Combined power (-12V)	3.6 W	EPS version	2.92
Combined power (+5Vsb)	12.5 W	Bearing technology	Sleeve
Max output current (+3.3V)	20 A	Design	
Max output current (+12V)	54.1 A	Product colour	Black
Max output current (+5V)	20 A	Cooling type	Active
Max output current (-12V)	0.3 A	Fan diameter	12 cm
Max output current (+5Vsb)	2.5 A	Number of fans	1 fan(s)
Hold time	17 ms	Fan location	Top
Efficiency	85%	Illumination	✗
Power protection features	Over current, Over power, Over voltage, Overheating, Short circuit	On/off switch	✓
Ports & interfaces		Packaging content	
Motherboard power connector *	24-pin ATX	Cables included	CPU, PCIe, Peripheral (Molex), SATA
Number of SATA power connectors	8	Certificates	
Peripheral (Molex) power connectors (4-pin) *	2	Certification	IEC 62368
EPS power connector (8-pin)	✓	Weight & dimensions	
EPS power connector (4+4 pin)	✓	Width	140 mm
PCI Express power connectors (6+2 pin)	4	Depth	150 mm
PCI Express power connectors (8-pin)	1	Height	86 mm

Weight & dimensions	
Weight	1.46 kg
Technical details	
Sustainability compliance	✓
Sustainability certificates	ErP



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