

TECHNICAL DATA SHEET

FORCE 550W

80 PLUS Bronze
Model: FP-550W | P/N: FP-550W



KEY FEATURES				
• ATX12V Version 2.3		• 120 mm silent cooling fan		
• 80 PLUS Bronze efficiency class		• Matte black chassis		
• Active PFC circuit		• Dimensions: 140 x 148 x 85 mm		
ELECTRICAL SPECIFICATIONS				
Nominal input voltage	230 VAC	Maximum output power	550 W	
Frequency	50-60 Hz	Hold-up time	>12 ms at full load	
Rated input current	4 A at 230 VAC	Rise time	<20 ms at full load	
Inrush current	<60 A peak, cold start	Power Good signal	TTL compatible	
Cooling	120 x 120 x 25 mm fan	Form factor	ATX12V Version 2.3	
PROTECTION FEATURES				
OVP	OPP	OTP	UVP	SCP
Over Voltage Protection (+3.3 V / +5 V / +12 V)	Over Power Protection (latch-off)	Over Temperature Protection	Under Voltage Protection	Short Circuit Protection
DC OUTPUT RATINGS				
Output rail	Minimum current	Maximum current	Combined rating / notes	
+12 V1	0 A	17.5 A		
+12 V2	0 A	17.5 A		
+5 V	0 A	15 A		
+3.3 V	0 A	15 A		
-12 V	0 A	0.3 A		
+5 VSB	0 A	2.0 A		
+3.3 V and +5 V combined load: 120 W				
+3.3 V, +5 V and +12 V combined load: 540 W				
Total power rating: 550 W				
EFFICIENCY VERIFICATION				
Load	Efficiency	Power factor	Source	
20%	86.05%	0.92	80 PLUS report EU-736	
50%	88.97%	0.90	80 PLUS report EU-736	
100%	86.33%	0.97	80 PLUS report EU-736	
Average	87.12%	-	80 PLUS verification report	
DC CONNECTORS				
• 1 x ATX 20+4-pin		• 6 x SATA		
• 2 x EPS 8-pin (4+4)		• 2 x Peripheral 4-pin (IDE Molex)		
• 2 x PCI-E 6+2-pin		• 1 x FDD		

ENVIRONMENTAL / COMPLIANCE			
Operating temperature	5 to 40 deg C	Storage temperature	-20 to 70 deg C
MTBF	>50,000 hours at 80% load, 25 deg C	EMI/RFI	FCC Part 15 Class B; CISPR 22 Class B
Compliance	CE; RoHS	80 PLUS report	EU-736; test date 29 Sep 2020