

TECHNICAL DATA SHEET

FORCE 650W

Model: FO36XD | P/N: FO36XD



KEY FEATURES

• ATX12V Version 2.3	• Black chassis
• 230 VAC nominal input	• Dimensions: 150 x 140 x 86 mm
• 120 x 120 x 25 mm cooling fan	

ELECTRICAL SPECIFICATIONS

Nominal input voltage	230 VAC	Maximum output power	650 W
Frequency	50-60 Hz	Hold-up time	>17 ms at full load
Input current	6 A at 230 VAC	Rise time	<20 ms at full load
Efficiency	80% at full load	Power Good signal	TTL compatible
Inrush current	<60 A peak, cold start	Cooling	120 mm fan

PROTECTION FEATURES

OCP	OVP	OPP	SCP
Over Current Protection	Over Voltage Protection (+3.3 V / +5 V / +12 V)	Over Power Protection (120-160%)	Short Circuit Protection (latch-off)

DC OUTPUT RATINGS

Output rail	Minimum current	Maximum current	Combined rating / notes
+12 V1	1 A	15 A	
+12 V2	1 A	15 A	
+5 V	0.5 A	30 A	
+3.3 V	0.8 A	23 A	
-12 V	0 A	0.8 A	
+5 VSB	0.1 A	3 A	

+5 V and +3.3 V combined load: 160 W

+5 V, +3.3 V and +12 V combined load: 635 W

+12 V continuous output current: maximum 40 A

+12 V peak output current: maximum 45 A

Total power rating: 650 W

DC CONNECTORS

• 1 x ATX 20+4-pin	• 3 x SATA
• 1 x EPS 8-pin (4+4)	• 2 x Peripheral 4-pin (HDD / Molex)
• 1 x PCI-E connector	• 1 x FDD

ENVIRONMENTAL / COMPLIANCE

Operating temperature	5 to 40 °C	Storage temperature	-20 to 70 °C
MTBF	>100,000 hours at 80% load and 25 °C ambient	EMI/RFI	FCC Part 15 Class B; CISPR 22 Class B
Compliance	CE	80 PLUS status	Not certified