POWER-WIN TECHNOLOGY CORP.

PC Switching Power Supply

Flex ATX Series

With Active PFC Function

FEATURES

- Compact 1U height, 40mm cooling fan
- This specification describes the requirements of switching power supply with a Flex ATX form factor, +5V standby voltage, remote on/off. Dual line input capability
- High Reliability
- 100% BURN-IN Tested
- 100% Hi-Pot tested
- Safety Approvals, EMC compliance
- Fan Speed Control (Option)



MODEL NO. : PW-150ATXFP (120W)

Dimension : L150×W82×H41mm

ELECTRICAL SPECIFICATIONS

- Input range : 100-240VAC, Full range.
- Frequency : 47 - 63Hz
- Power factor : >0.9 (Full load at 115V/60Hz)
- Input current : 6.5A @115VAC, 3.5A @230VAC
- Inrush current : 35A @115VAC, 70A @230VAC cold start at 25°C
- Efficiency : >65% @ full load, 115VAC
- Maximum power (Po) : 120W
- Hold up time : >16ms min at full load @115VAC
- Short circuit protection : All outputs
- Over voltage protection : +3.3V / +5V / +12V

SAFETY STANDARDS

UL 60950-1
CSA C22.2-No.60950-1
TUV EN60950-1
CB IEC 60950-1

EMC STANDARDS

FCC Class B
CISPR22 Class B
EN 55022 Class B
EN 61000-3-2
CE

ENVIRONMENTAL

- Operating temperature : 0°C to +40°C
- Storage temperature : -10°C to +70°C
- MTBF : >80,000 hours at full load and 25°C ambient temperature

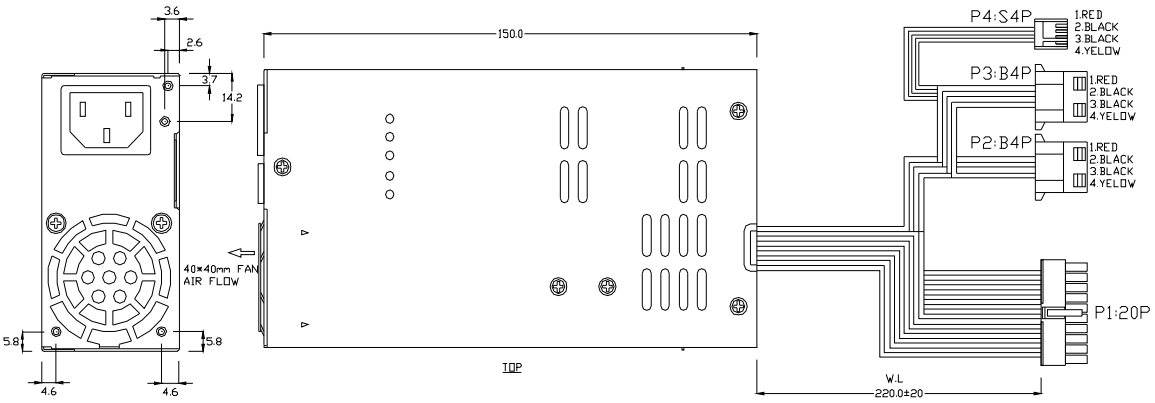
DC OUTPUT & FEATURES

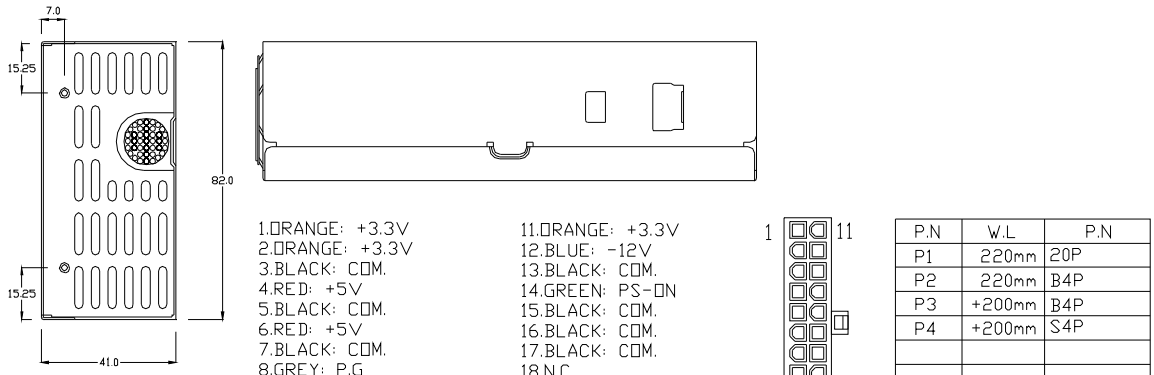
Model No.	PW-150ATXFP			
OUTPUT	Min.	Max.	O/P Regulation	Ripple & Noise
+3.3V	0.5A	7A	5%	70mV
+5V	1A	12A	5%	70mV
+12V	0.5A	6A	5%	150mV
-12V	0A	0.3A	10%	150mV
+5Vsb	0A	1.5A	5%	70mV
PW-OK	P.G. : 100ms - 500ms			
PS-ON	Remote			
COM.	Return			

Note:

1. Peak–to–peak with 20MHz bandwidth with a tantalum 10uF in parallel with a 0.1uF ceramic capacitor.
2. +3.3V & +5V Total not exceed 70W ; All outputs power load should not exceed 120W.

MECHANICAL SPECIFICATION





1.ORANGE: +3.3V
2.ORANGE: +3.3V
3.BLACK: COM.
4.RED: +5V
5.BLACK: COM.
6.RED: +5V
7.BLACK: COM.
8.GREY: P.G
9.PURPLE: +5Vsb
10.YELLOW: +12V

11.ORANGE: +3.3V
12.BLUE: -12V
13.BLACK: COM.
14.GREEN: PS-ON
15.BLACK: COM.
16.BLACK: COM.
17.BLACK: COM.
18.N.C
19.RED: +5V
20.RED: +5V

20 PIN CONNECTOR

P.N	W.L	P.N
P1	220mm	20P
P2	220mm	B4P
P3	+200mm	B4P
P4	+200mm	S4P

NOTE:
W.L=WIRE LENGTH
P.N=PIN NO.