



FEATURES

- 90-265 VAC Universal Input
- Complies with SFX12V 2.0
- Meets 1U Height Constraints
- Active PFC Meets EN 61000-3-2
- Input Line Fuse Protection
- Overvoltage and Short-Circuit Protections



INPUT SPECIFICATIONS

Input Voltage Range	90~265 VAC
Input Frequency	47~63Hz
Input Current	4A max. @ 115 VAC, 60Hz 2A max. @ 230 VAC, 50Hz
Inrush Current	50A @ 115 VAC, 80A @ 230 VAC, at 25°C cold start
Leakage Current	0.3mA rms max. @ 264 VAC, 63Hz AC to safety ground

OUTPUT SPECIFICATIONS

Output Power Ratings	See Rating Chart
Load & Line Regulation	See Rating Chart
Ripple & Noise	See Rating Chart
Hold-up Time	17ms min. at full load and nominal input voltage
Overload Protection	150% max.
Overvoltage Protection, +3.3V	3.7~4.5V
+5V	5.7~6.5V
+12V	13.3~15.6V
Power Turn-on Signal Delay	100~500ms
Power Fail Signal Delay	1ms min.
Temperature Coefficient	0.01%/°C max.

GENERAL SPECIFICATIONS

Efficiency	68% minimum at full load
Operating Temperature	0°C to +50°C
Storage Temperature	-20°C to +80°C
Relative Humidity	5% to 95% non-condensing
MTBF	100K hours minimum at full load, 25°C ambient, calculated per MIL-HDBK-217F

STANDARDS & COMPLIANCES

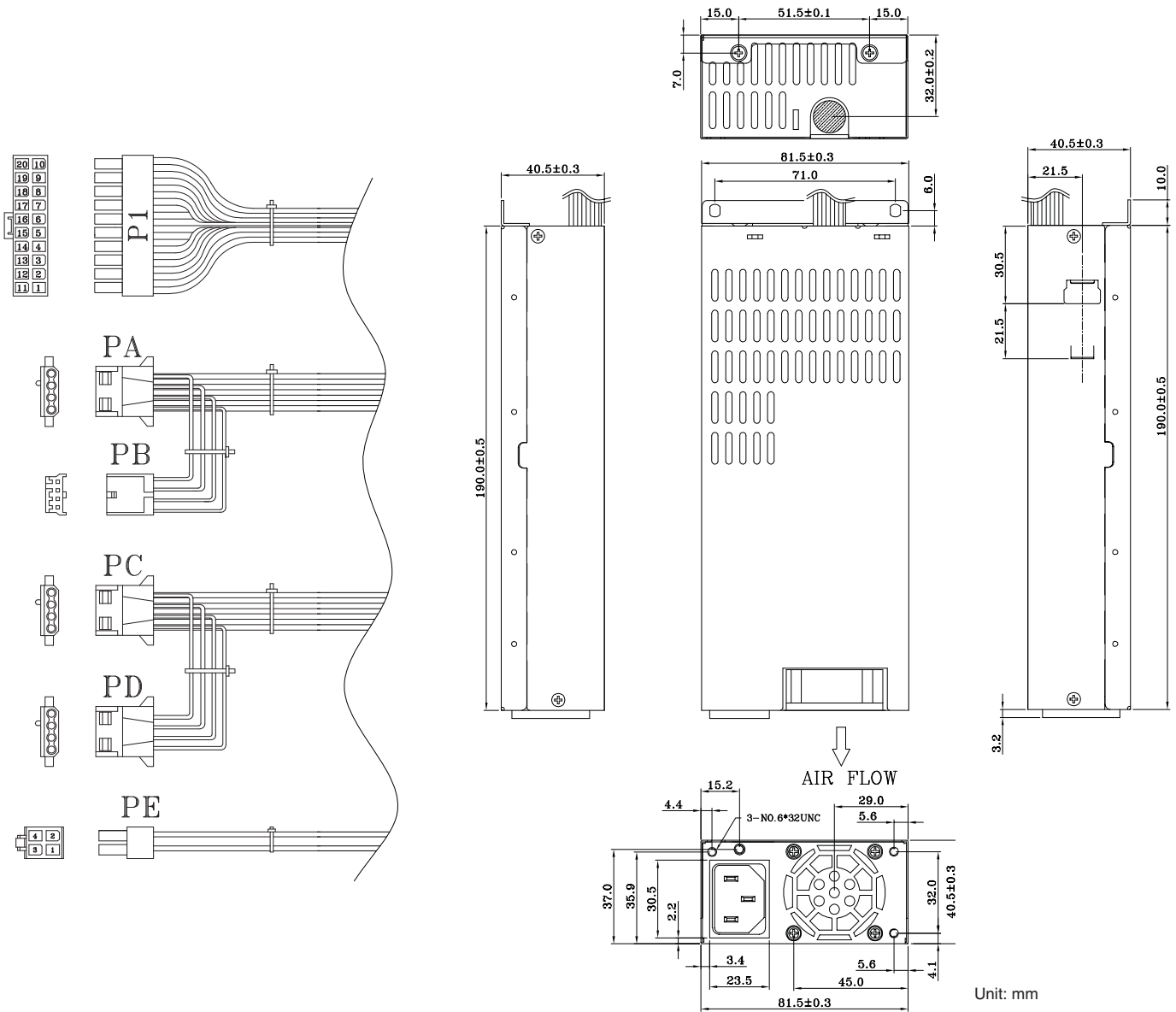
EMC	EN 60601-1-2
Emissions	Class B conducted & radiated EN 55011, FCC, CISPR 11
Immunity	EN 61000-3-2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-5, EN 61000-4-11
Safety Standards	UL/EN/IEC 60601-1
Agency Approvals	UL, cUL, VDE, CB, CE
Other Standards	RoHS, CEC, ErP

OUTPUT VOLTAGE & CURRENT RATING CHART

Ouput Voltage	Minimum Load	Normal Load	*Maximum Load	Load Regulation	Line Regulation	Ripple & Noise P-P (Max.)
+3.3V	0.3A	8.4A	16.8A / 4.5A	±5%	±1%	50mV
+5V	0.3A	6A	12A / 9A	±5%	±%	50mV
+12v	1.5A	6A	12A / 9A	±5%	±%	120mV
-12V	0A	0.4A	0.8A	±10%	±2%	120mV
+5Vsb	0A	1A	2.0A	±5%	±1%	50mV

*Maximum load for +3.3V & +5V is 61W.
 *Maximum load for +3.3V, +5V, and +12V is 165W, limited to 180W total power.
 *+3.3V, +5V, +12, and -12V will have ±10% regulation with all loads removed.

MECHANICAL SPECIFICATIONS



Unit: mm