



### Features:

- \* Universal AC Input
- \* Active Power Factor Correction
- \* ATX12V 2.01 Compliant
- \* Worldwide Safety Approvals
- \* EN55022 & FCC Class B Emissions
- \* CE Mark

### Input

Input Voltage Universal (90-264 VAC)  
 Input Frequency 47-63Hz  
 Inrush Current 50A Max @ 100 VAC / 100A Max @ 230 VAC  
 Input Current 12A @ 115 VAC / 6A @ 230 VAC Max  
 Hold-Up Time 16ms minimum  
 Harmonic Current EN61000-3-2 Class D

### General

Efficiency 72% Typ.  
 Switching Frequency 62KHz  
 Operating Temperature 0 to 30°C 100% Load / 30-40°C 90% Load / 40-50°C 80% Load  
 Storage Temperature -20°C to +80°C  
 Cooling Two Ball bearing fans for cooling  
 Temp Co-Efficient 0.04% per °C

### Output

Line Regulation 1% typ.  
 Load Regulation 5% typ. all outputs (except -12V = 10%)  
 Ripple & Noise 75mv for 3.3 & 5V / 150mv for 12V outputs  
 Overload Protection >110-150% of rated load  
 OverVoltage Protection +5V onl (Triggers 5.6 ~ 6.2 VDC)  
 Transient Response voltage returns < 1mS following a 25% load change  
 Power Good Signal Open Collector TTL Compatible +5V / 500uA

### EMC & Safety

Emissions EN55022 "B", FCC Class B

Safety Approvals UL/cUL60950-1  
 EN60950-1  
 CE Mark (LVD)



### Model Number

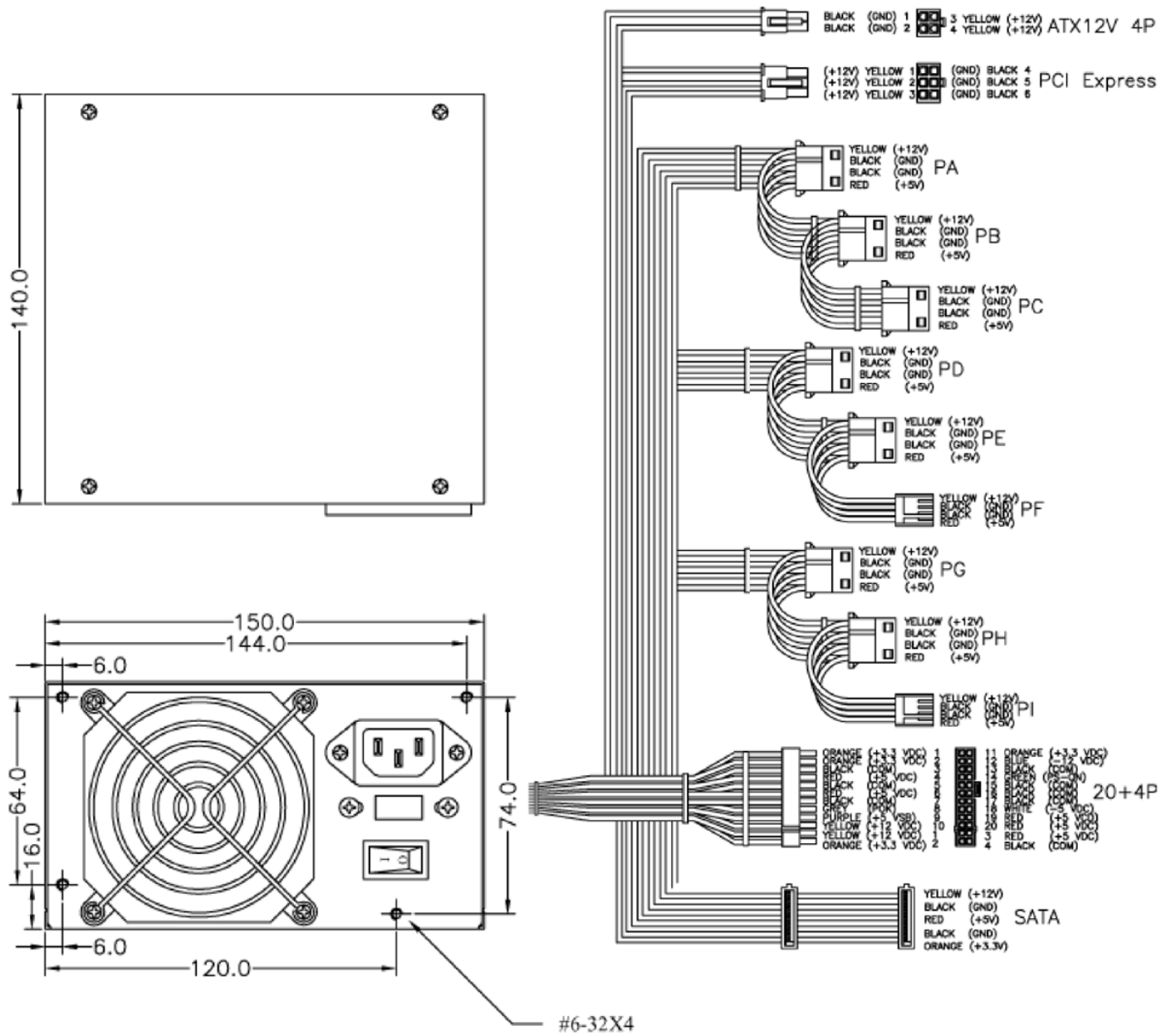
### Output

Model Number	VDC	Min Load	Max Load	Peak Load
AP-600X	+3.3 V	0.5A	30A	-
	+5 V	0.5A	50A	-
	+12V1	1A	20A	-
	+12V2	1A	20A	-
	-12V	0A	1A	-
	5VSB	0A	2.5A	3.0A

### Note:

- 1) Combined Load on +3.3V & +5.0V shall not exceed 300 Watts.
- 2) Combined Load on +12V1 & +12V2 shall not exceed 470 Watts
- 3) Combined load of +3.3V, +5.0V, +12V1 & +12V2 shall not exceed 575.5 watts.
- 4) Total Output Power Not to exceed 600 Watts

*Mechanical Details*



*Notes*