



**AC/DC Switching Adapter-Single Output**

**PT120 Series 120 Watts  
WITH ACTIVE PFC**

**FEATURES**

- High Reliability
- 100% BURN-IN Tested
- 100% Hi-Pot tested

**ELECTRICAL SPECIFICATIONS**

- Input range : 90-2640VAC (Full Range)
- Frequency : 47 - 63Hz
- Input current (rms) : 2A @ 90VAC; 1A @ 264VAC MAX.
- Power Factor: >0.9 (20%~100% Load)
- Efficiency : >80% @ full load, 115VAC
- Output Voltage : +12, 19, 24V
- Voltage regulation : ±5%
- Maximum power (Po) : 120W
- Hold-up time : >16ms typical at full load @ 115VAC
- Protection : Over voltage protection, AC recycle;  
Short circuit protection; Auto recovery



Dimension : L170×W64.8×H37mm  
AC Input : IEC 320-C14 or C6 Inlet

**SAFETY STANDARDS**

- UL 60950
- CSA C22.2 No.60950
- TUV EN60950
- CB IEC 60950
- PSE J60950
- CCC

**EMI STANDARDS**

- FCC Part 15 Class B
- CISPR22 Class B
- EN 55022 Class B
- EN 61000-3-2 Class D
- EN 55024
- 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	Output Rating		P <sub>O</sub>	O/P Regulation	Ripple & Noise (V <sub>p-p</sub> )
PT100-12-X	12V	8.33A	100W	5%	300mV
PT120-19-X	19V	6.30A	120W	5%	200mV
PT120-24-X	24V	5.00A	120W	5%	200mV

**ORDERING INFORMATION**

Model: X = B (IEC 320-C14)  
X = S (IEC 320-C6)

**Note:** 1. Peak-to-peak with 20MHz bandwidth with a tantalum 10uF in parallel with a 0.1uF ceramic capacitor.



**SMP TECHNOLOGY, INC.**

5900 Butler Lane, Scotts Valley, CA 95066

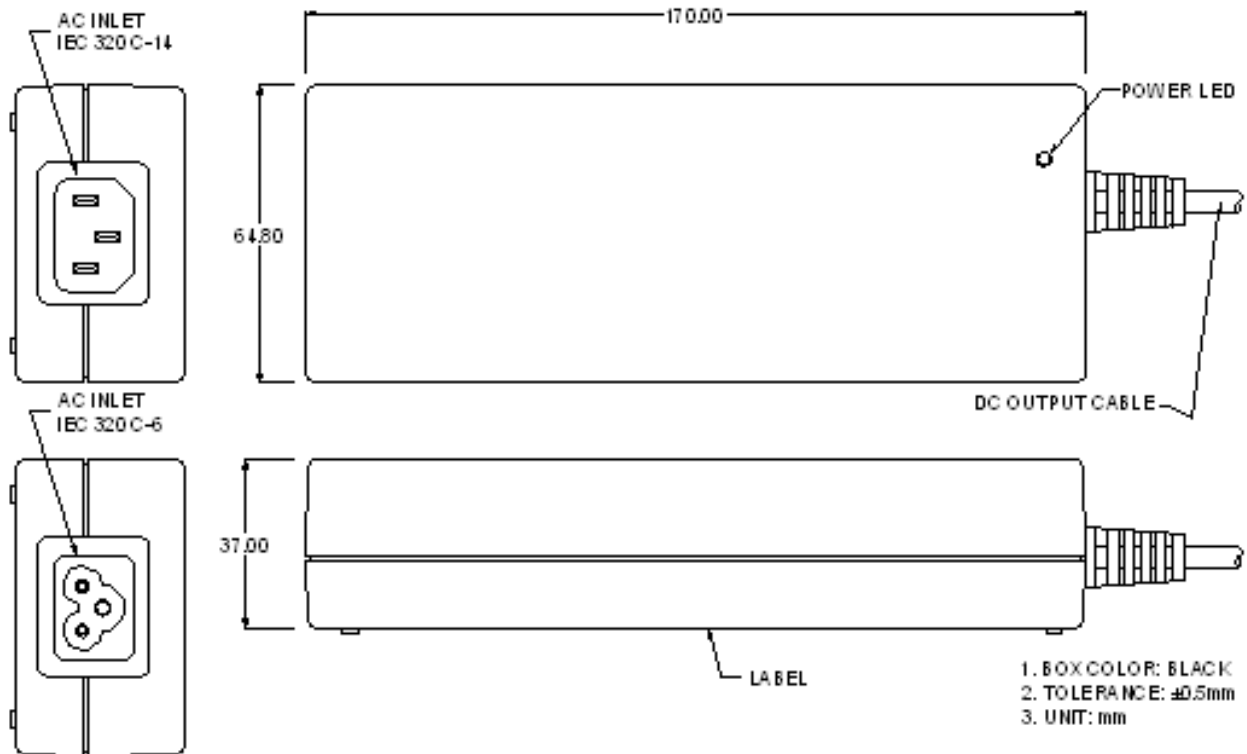
Tel : (831) 440-9191 Fax : (831) 427-7570

http : //www.smp-tech.com

E-Mail : sales@smp-tech.com

AC/DC Switching Adapter-Single Output

MECHANICAL SPECIFICATION



STANDARD OUTPUT CABLE

1. AWM 2464#16-20AWGX4C+SHIELDING, UL 80°C 300V VW-1, 1050mm.
2. Depends on customers requirements.



**SMP TECHNOLOGY, INC.**

5900 Butler Lane, Scotts Valley, CA 95066

Tel : (831) 440-9191 Fax : (831) 427-7570

<http://www.smp-tech.com>

E-Mail : [sales@smp-tech.com](mailto:sales@smp-tech.com)