

AC/DC Switching Adapter - Single Output

With Active PFC



Dimension : L 170 × W 64.8 × H 38.5 mm
(L 6.69" x W 2.55" x H 1.51")
AC Input : IEC 320-C14 Inlet

FEATURES

- High Reliability
- 100% BURN-IN Tested
- 100% Hi-Pot Tested
- Safety Approvals, EMC compliance

ELECTRICAL SPECIFICATIONS

- Input range : 90-264VAC(Full Range)
- Frequency : 47 - 63Hz
- Input current (rms) : 2A @ 90VAC; 1A @ 264VAC MAX.
- Power factor : >0.9
- Efficiency : >85% @ full load, 115VAC
- Meet CEC and Energy Star level (TV)^{115V} requirements.
- >85% @ AVG. load 115/230VAC for CEC Model.
- Green function = No load power consumption < 500 mW.
- Output Voltage : +12V, +13.5V, +15V, +19V, +20V, +24V
- Voltage regulation : ±3% ~ ±5%
- Maximum power (Po) : 90W / 100W /110W
- Hold-up time : >10ms typical at full load @ 115VAC
- Protection :
 - ◆ Short Circuit Protection: Auto Recover.
 - ◆ Over Power Protection: Auto Recover.
 - ◆ Over voltage Protection: Latch, AC recycle.

SAFETY STANDARDS

- UL/c-UL UL60601-1
- TUV EN60601-1
- CB IEC60601-1

EMC STANDARDS

- EN60601-1-2
- FCC Part 18 Class B
- EN55011 Class B
- CE

ENVIRONMENTAL

- Operating temperature : 0°C to +40°C
- Storage temperature : -10°C to +70°C
- Humidity: 20% ~ 90%.
- MTBF : >100,000 hours at full load and 25°C ambient temperature
- 2 years warranty

DC OUTPUT & FEATURES

Model	Output Rating		Po	O/P Regulation	Ripple & Noise (Vp-p)	CEC(IV ^{115V})	Energy Star Level
PTM090-12-B	12V	7.5A	90W	5%	120mV	IV	IV
PTM090-135-B	13.5V	6.67A	90W	5%	135mV	IV	IV
PTM100-15-B	15V	6.67A	100W	5%	150mV	IV	IV
PTM110-19-B	19V	5.8A	110W	3%	190mV	IV	IV
PTM110-20-B	20V	5.5A	110W	3%	200mV	IV	IV
PTM110-24-B	24V	4.6A	110W	3%	240mV	IV	IV

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



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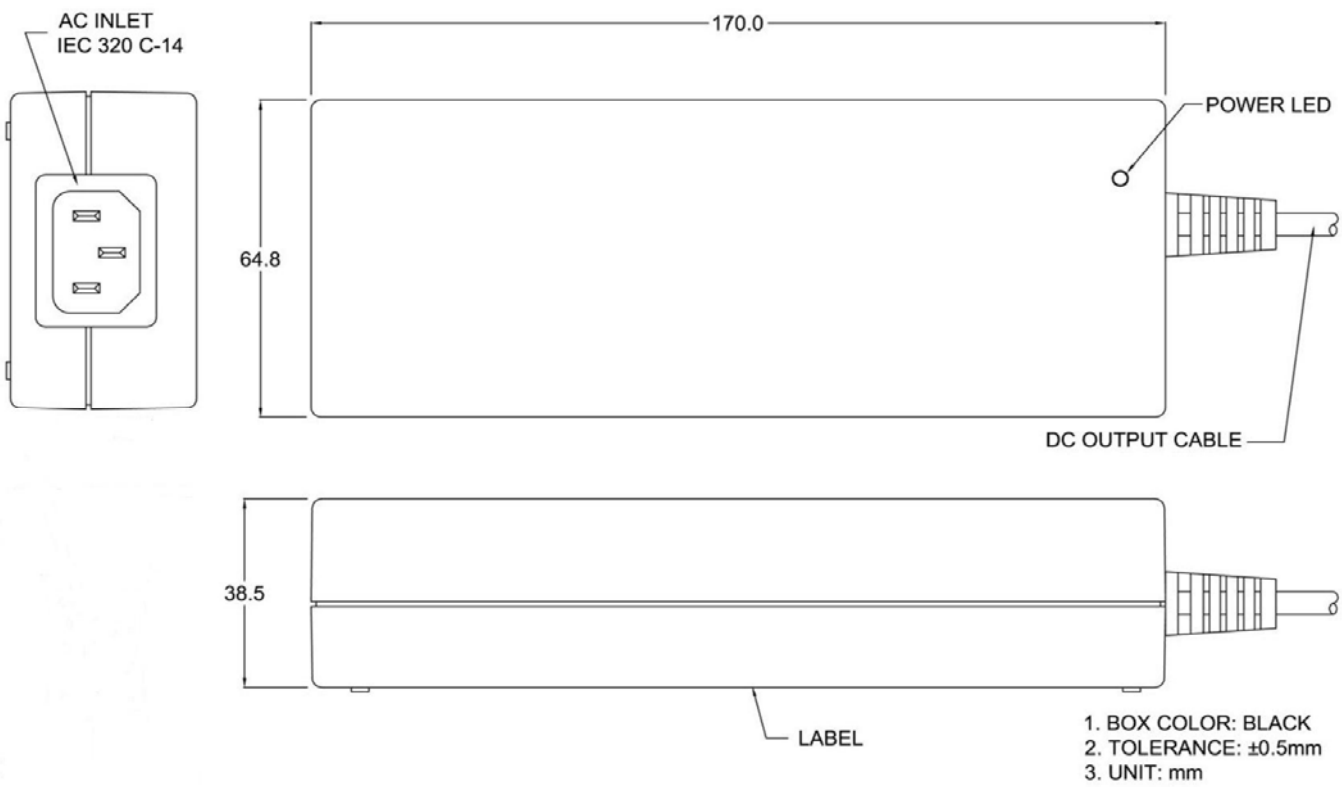
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MECHANICAL SPECIFICATION



STANDARD OUTPUT CABLE

- 1. AWM 1571#14~16AWG 1C+SHIELDING, UL 80°C 30V VW-1, 1050mm.
- 2. Depends on customers requirements.

