

SPECIFICATION

High Quality Switching Desktop Adapter

Universal AC Input
60W 12.0VDC 5.0A Output

P/N: A120050EN1

****Specification Approval****

This specification (total 8 pages including cover page) is approved in it's entirety by:

Company Name

Print Name

Signature

Date



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1. Product Characteristics

1.1 General Description

A120050EN1 is a universal switching-mode power supply, operating at input voltage **100VAC** to **240VAC** and output voltage of **+12VDC** with **5A** DC load.

1.2 Electric Characteristics

1.2.1 Input

No.	Item	Specification
1.	Rated Input Voltage	100-240VAC
	Input Voltage Range	90-264VAC
2.	Frequency Rated	50-60Hz
	Frequency Vibration	47-63Hz
3.	Input Rated Current	1.5A RMS Max
	Inrush Current	No damage at 240VAC cold start
4.	Leakage Current	<0.25mA
5.	Efficiency	87.0% min. (CEC Level V Compliant)
6.	No Load Consumption	<0.5W max. (CEC Level V Compliant)

1.2.2 Output:

No	Item	Specification
1.	Output Voltage	12VDC \pm 5%
2.	Output Max. Current	5A
3.	Output Min. Current	0A
4.	Output Peak Current	7.2A Max / 10S
5.	Line Regulation	1%
6.	Output Overshoot	13.2VDC Max
7.	Short Circuit Protection	Output shut down and auto restart
8.	Over Temperature Protection	There shall be no ignition or smoke or deformation of case
9.	Ripple Voltage	200mV (p-p) (100-240V AC Input) (1)

(1). Measuring is done by 20MHz bandwidth oscilloscope and terminated each output with a 10uf aluminum electrolytic capacitor and 0.1uf ceramic capacitor.

1.2.3 Hi-Pot

Primary to Secondary : 1500VAC 10mA

1.2.4 Insulation resistance:

Input to output: 500VDC to test the input to output; resistance shall not be less than 100Mohms.

1.2.5 EMI standard : FCC class B, CE

1.2.6 PB-free standard: RoHS Compliant

1.3 Mechanical Characteristics

1.3.1 AC Plug : Inlet IEC-320 C14

1.3.2 DC cord:

- (1) Bending test: Life 1000 times 100% guarantee. Swings 120 from Left to right loading weight 500g , 40 cycle/minute.**
- (2) Pull test : DC cord and plug ,weight 6kg for 1 minute.**

1.3.3 Weight: 230g

1.3.4 Case Size: (L)112 X (W)47 X (H)33mm

1.3.5 Temperature

Operating: 0°C to 40°C

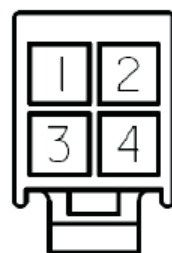
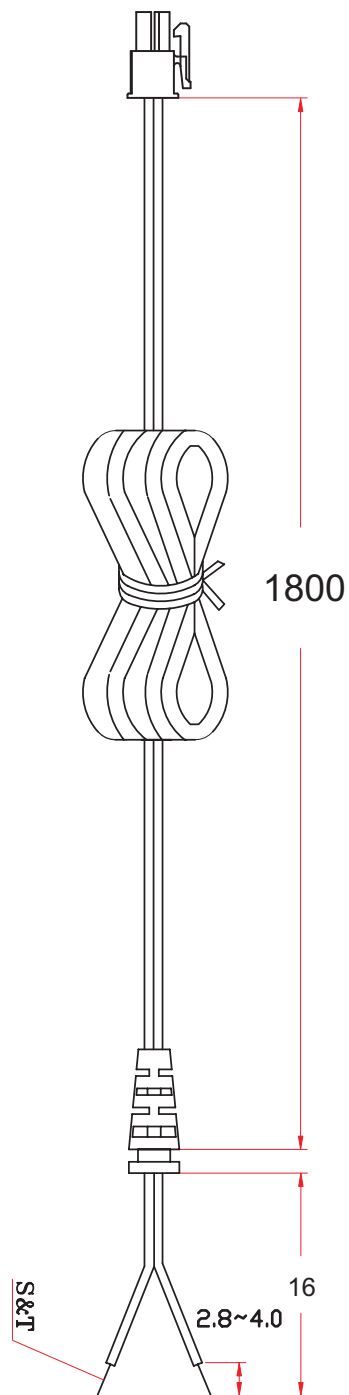
Storage: -10°C to 70°C

1.3.6 Humidity

Operating : 20% to 80%

Storage: 10% to 90%

2. DC Cable

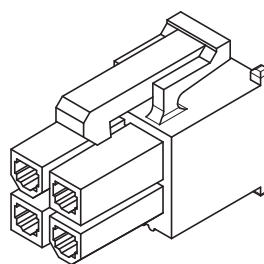


Molex P/N: 39-01-2040

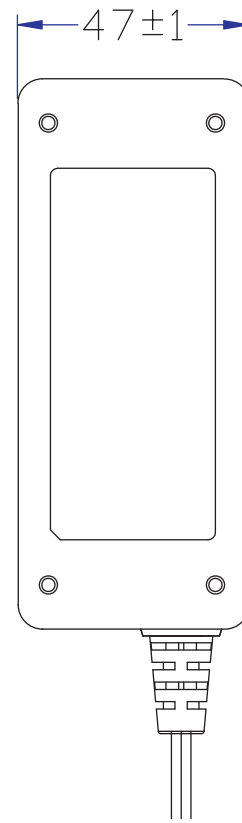
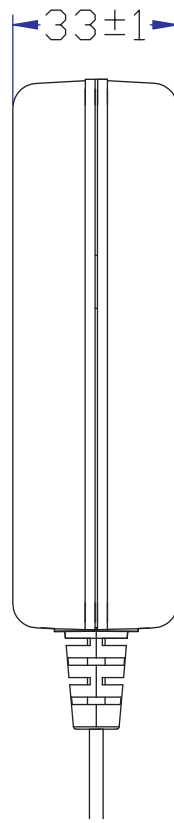
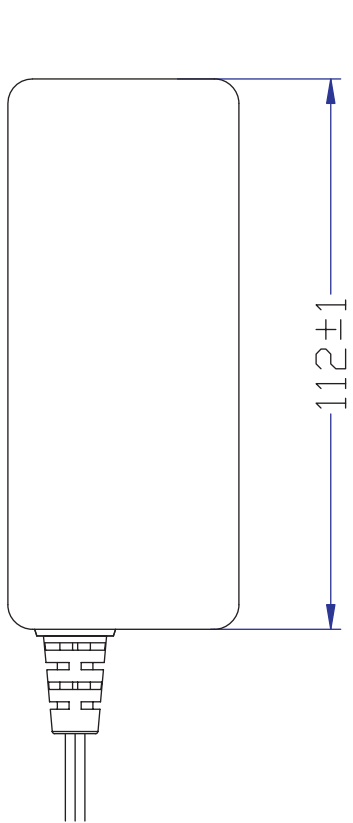
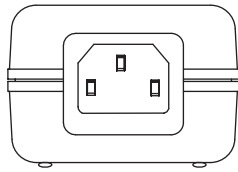
Pin 1+2 = GROUND

Pin 3+4 = +12V

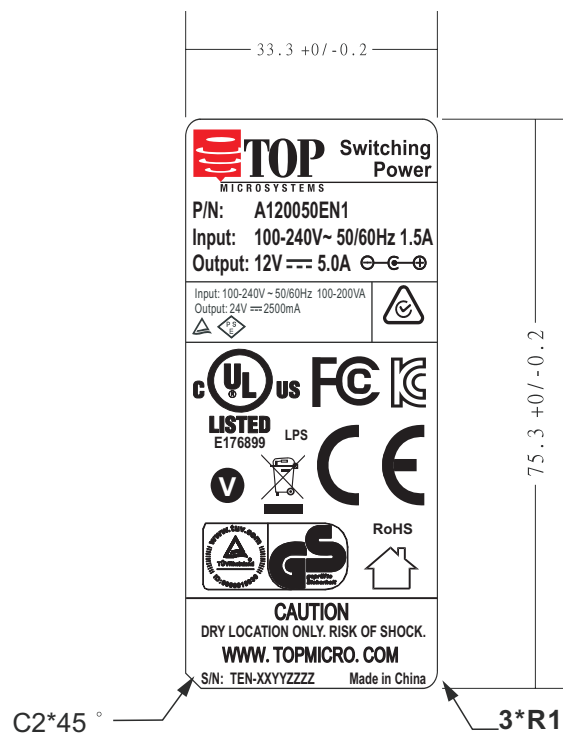
Cable Entry Side View



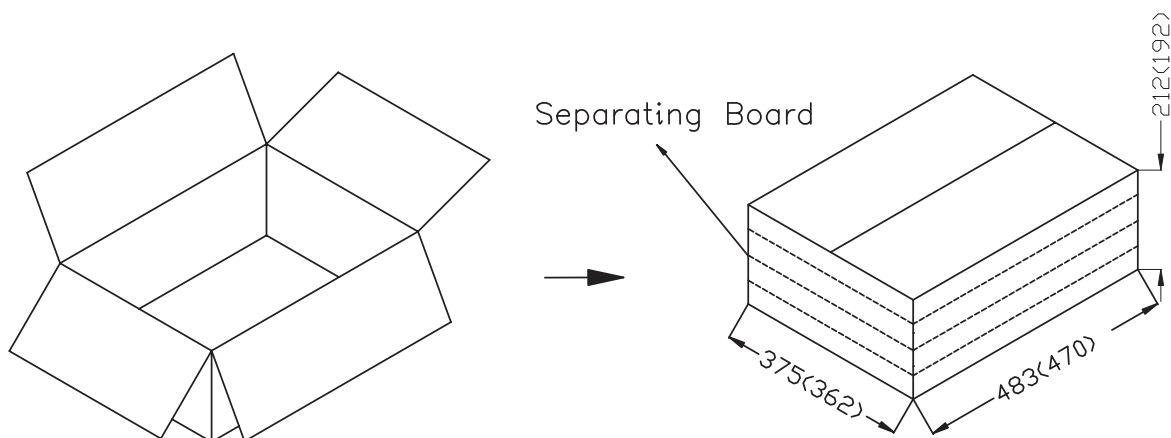
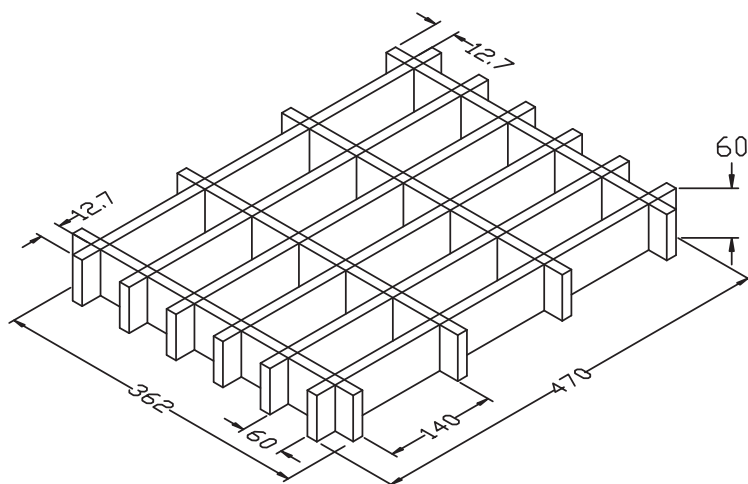
3. Mechanical



5. Label



4. Packing



CARTON SIZE: 483*375*212mm

Q' TY: 45PCS (15PCS*3)

N. W: 13.5 KGS

G. W: 15.3 KGS