

# SPECIFICATION

## High Quality Switching Desktop Adapter

**Universal AC Input  
65W 24.0VDC Output**

**P/N: A240027ENL**

**\*\*Specification Approval\*\***

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

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120209V1.0

## 1. Product Characteristics

### 1.1 General Description

**A240027ENL is a universal switching-mode power supply, operating at input voltage 100VAC to 240VAC and output voltage of +24VDC with 2.7A 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	<0.35mA
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	24VDC±5%
2.	Output Max. Current	2.7A
3.	Output Min. Current	0A
5.	Line Regulation	1%
6.	Output Overshoot	26.4VDC 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	240mV (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 minute

**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**

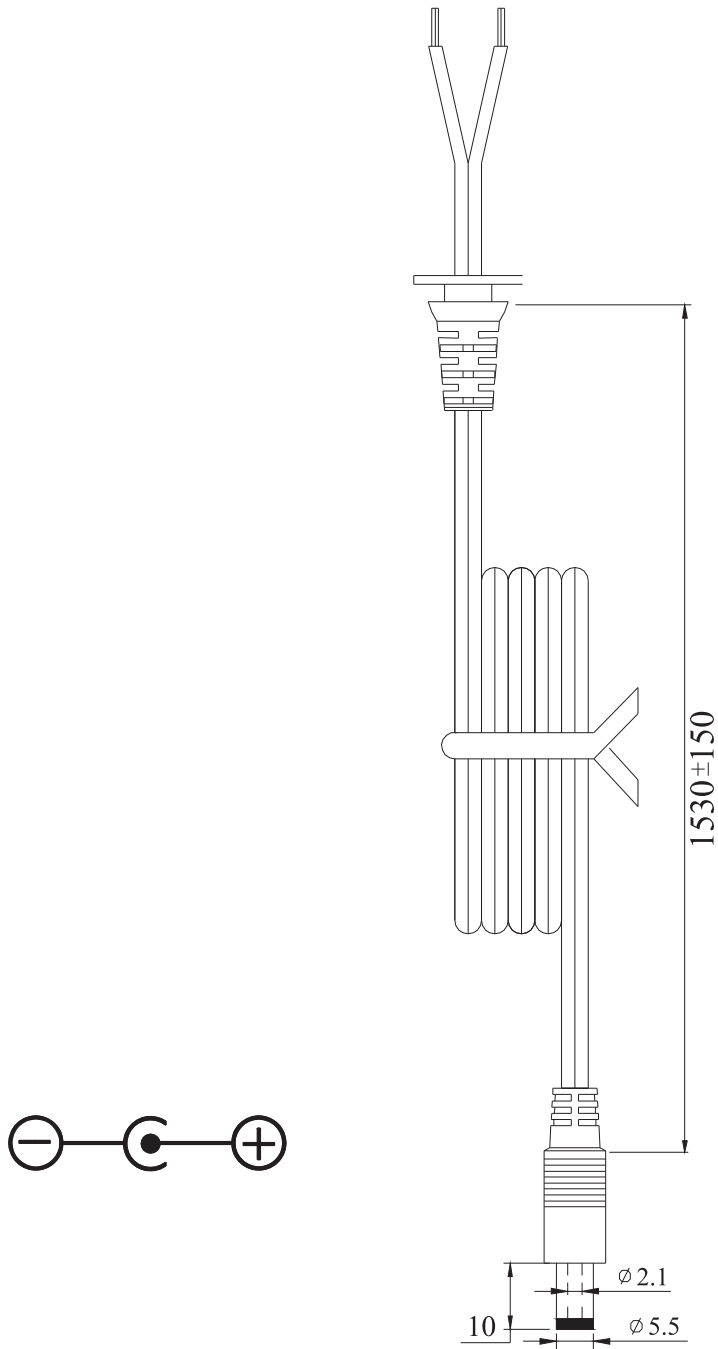
**Storage: -10°C to 70°C**

#### **1.3.6 Humidity**

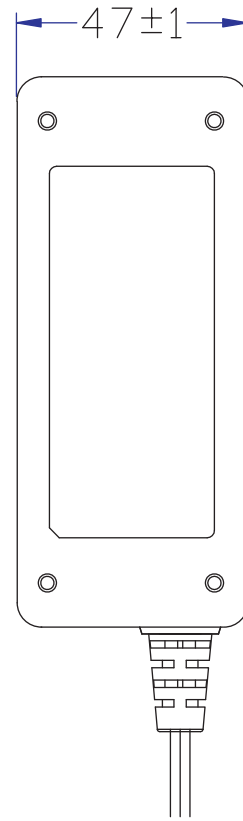
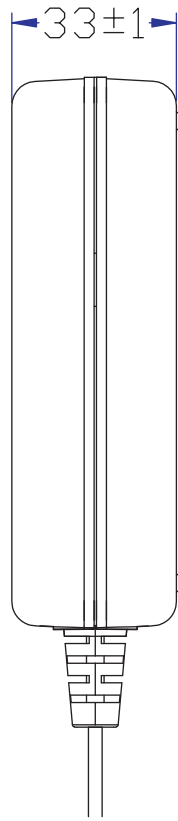
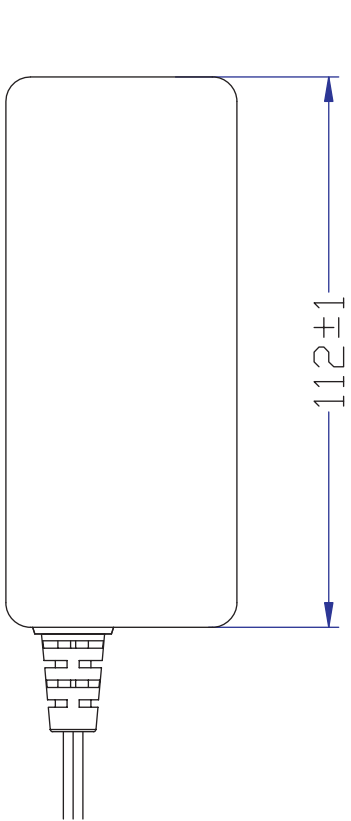
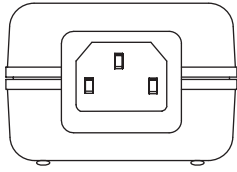
**Operating : 20% to 80%**

**Storage: 10% to 90%**

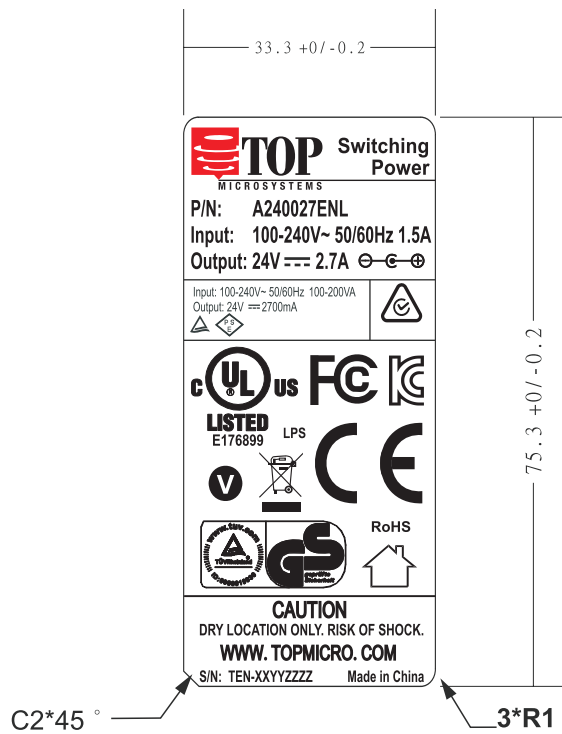
## 2. DC Cable



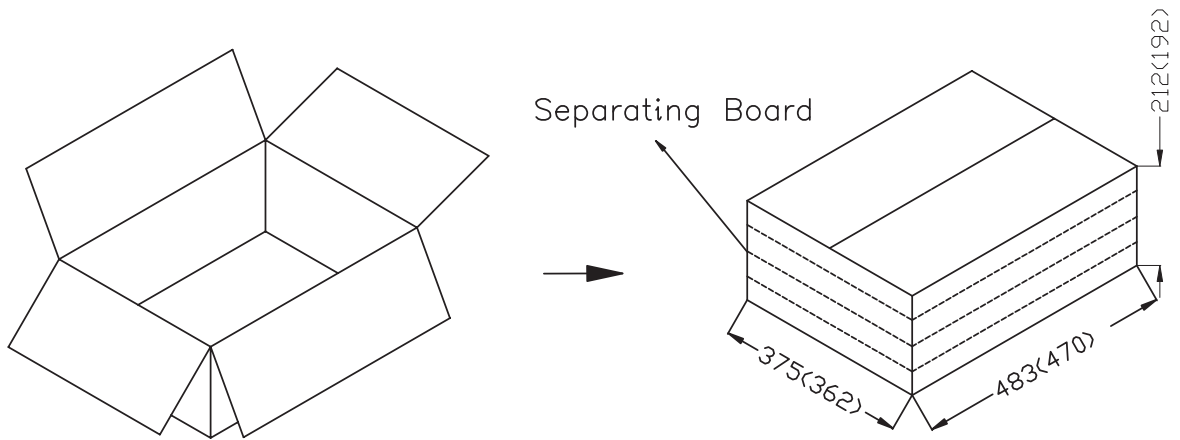
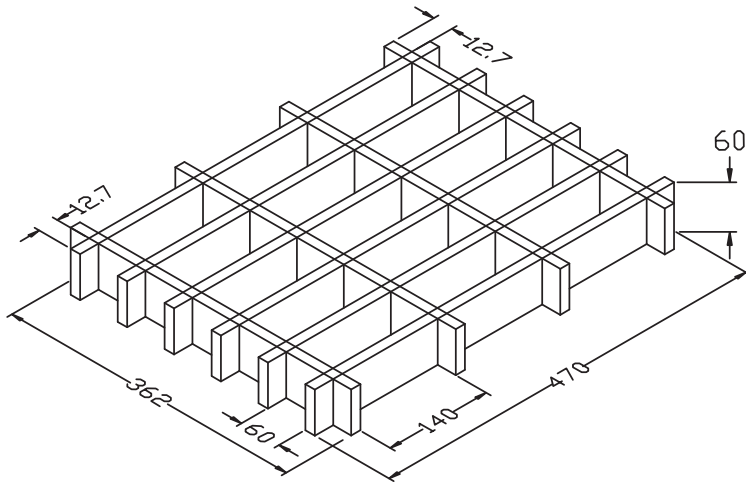
### 3. Mechanical



### 5. Label



### 4. Packing



CARTON SIZE: 483\*375\*212mm

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

N. W: 13.5 KGS

G. W: 15.3 KGS