

SPECIFICATION

High Quality Switching Power Adapter

**Universal AC Input
65W 24VDC
Single Output**

P/N: A240027ENI

**** Specification Approval****

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

Company Name

Print Name

Signature

Date



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1. Scope

1.1 General Description

A240027ENI is a universal switching-mode power supply, operating at input voltage 90VAC to 264VAC and output load +24VDC 2.7A.

1.2 Electrical

1.2.1 Input

No	ITEM	SPECIFICATION
1.	Rated input Voltage	AC100-240V
	Vibration input Voltage Range	AC90-264V
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	<0.3W Max (CEC Level V Compliant)
7.	power factor	N/A

1.2.2 Output:

No	ITEM	SPECIFICATION
1.	Output Voltage	24VDC±5%
2.	Output max. Current	2.7A
3.	Output min. Current	0A
4.	Line Regulation	±1%
5.	Over Voltage Protection	36V Max(Output shut down)
6.	Short Circuit Protection	Output shut down and auto restart
7.	Over Temperature Protection	There shall be no ignition or smoke and deformation of case
8.	Ripple Voltage	240mV (p-p) (100-240V AC Input)

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

Input to output: 3000VAC or 4242VDC 10mA 1 minute.

1.2.4 Insulation resistance:

Input to output: 500VDC to test the input to output resistance not be less 100M ohm

1.2.5 Safety approved: UL/cUL, GS**1.2.6 EMI standard:** FCC class B, CE, VCCI**1.2.7 PB-free standard:** RoHS Compliant

1.3 Mechanical Characteristics

1.3.1 AC Inlet: IEC320 / C8

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: 278g

1.3.4 Case Size: (L)116 x (W)50 x (H)31mm

1.3.5 Temperature

Operating: 0°C to 40°C

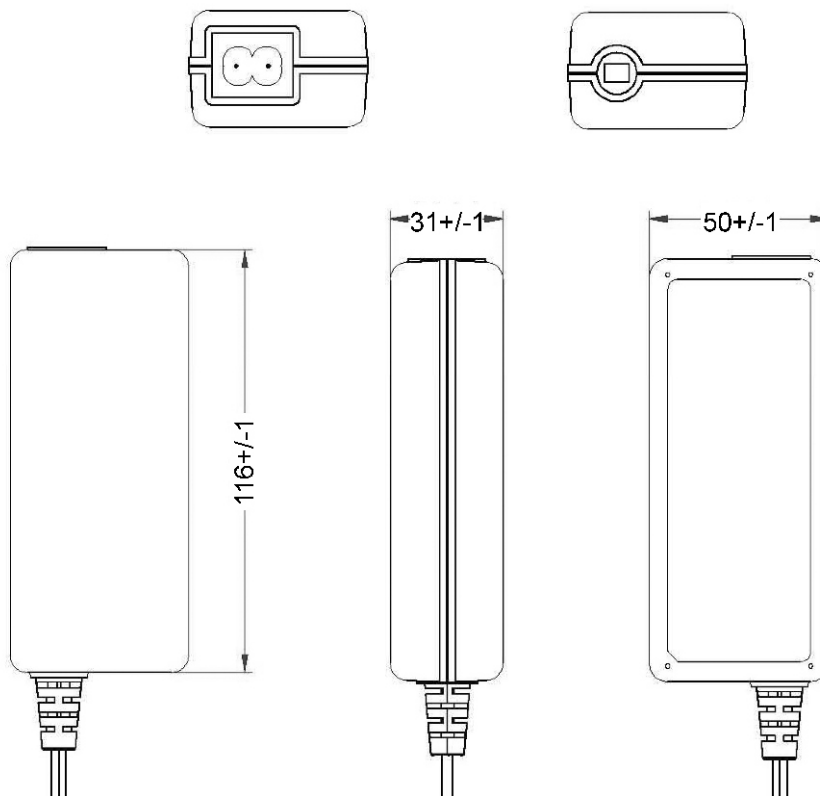
Storage: -10 to 70°C

1.3.6 Humidity

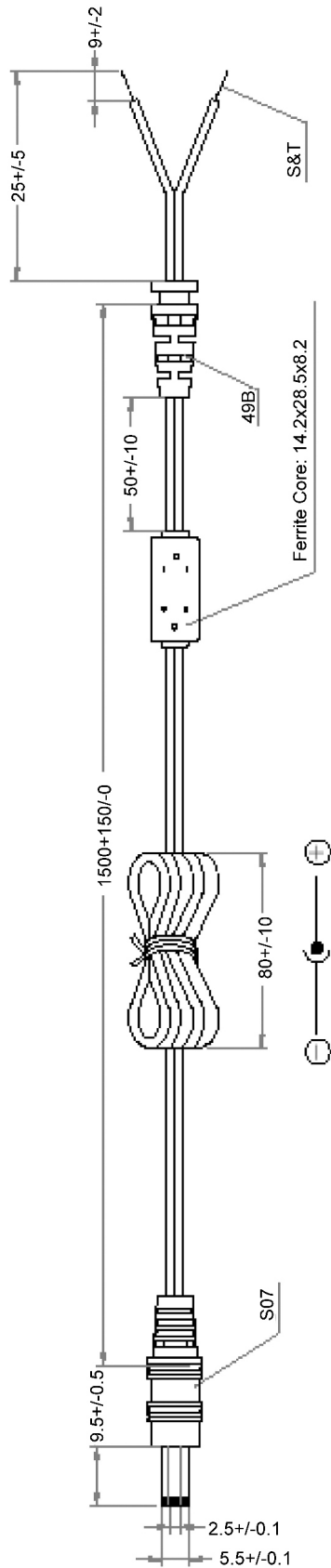
Operating: 20% to 80%.

Storage: 10% to 90%

1.4 Drawing



1.5 DC Cable



1.6 Label

UNIT: mm

