



## Specification Sheet



### Product Introduction

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Since from the beginning, ALT's products are named by the constellations, which represents that the brightness of ALT products are as shining as those stars. This also applies to the products' ancillary applications. Its conversion efficiency are bright and shining in the lighting industry. LED lighting is 100% environmentally friendly and energy saving product. ALT products the best alternative for replacing the traditional light source, and its energy saving effect can reached up to more than 60%.

ALT using the aerospace grade technology for Industrial Server applied on to the LED lighting products as well as some of its related accessories, such as the safe and stable power conversion efficiency, almost full compatibility with all commercial transformers in the market, especially passed related certification tests. It outstands, other than the ALT product function itself, the stringent requirements on Safety as corporate. Regarding to the efficiency conversion, power factor, product lifespan, .....etc., they all come with brilliant performance. To collocate with ALT product applications, it would be easier to achieve the environmental protection concept of energy saving and carbon reduction. Let's do our best, hand-in-hand, for global environment optimization.

#### Features

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- ✓ Led Bulb Driver.
- ✓ Batter Conversion Efficiency.
- ✓ High Reliability.
- ✓ Pass Burn-in Test.

#### Application

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- ✓ LED Indoor lighting.
- ✓ Illumination Lighting.
- ✓ Boutique Lighting.
- ✓ Shop Lighting.
- ✓ Commercial Lighting.



## 16W Adaptor Specification

Item	Description
Type	APTPG015SR-00
AC input Voltage	AC 100V ~ 240V
Frequency range	50/60 (HZ)
Nominal Supply Current	1.3 (A)
Output Power	16 (W)
Power Factor	>0.9
Efficiency	80 %
LED Operating Voltage Range	12 (V)
LED Operating Current Range	0~1.3 (A) Max
LED Operating Power Range	16 (W) Max
Protection(Over Voltage)	16.2 (V)
Temperature	Operation within specification: -25 to 40 degrees C.
Casing Size	80 * 33 * 24.9 (mm)
Weight	66 (g)
Lifespan	50,000 hours
Warranty	3 years
Color	Gray

## Compatible ALT Product List

Compatible List			
Product	Photo	Watts	Qty
MR11		3W	3
MR16		7W	2
AR111		12W / 15W	1
PAR36		12W / 15W	1

## Thermal test

### Thermal Test Summary Report

Test Temperature : 40°C

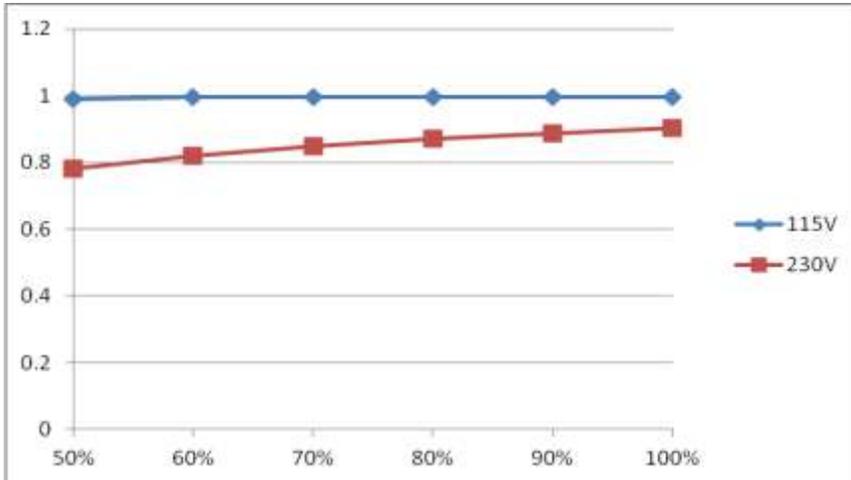
Component	Test Report		
	90V AC	264V AC	
	40°C	40°C	
D3	Pass	Pass	
C5	Pass	Pass	
T1	Pass	Pass	
C10	Pass	Pass	
D1	Pass	Pass	
Q1	Pass	Pass	
U1	Pass	Pass	
U2	Pass	Pass	
T1 Wire	Pass	Pass	
T1 Core	Pass	Pass	
C7	Pass	Pass	
L2	Pass	Pass	
Case Outside	Pass	Pass	

## Transformer Installation Instruction



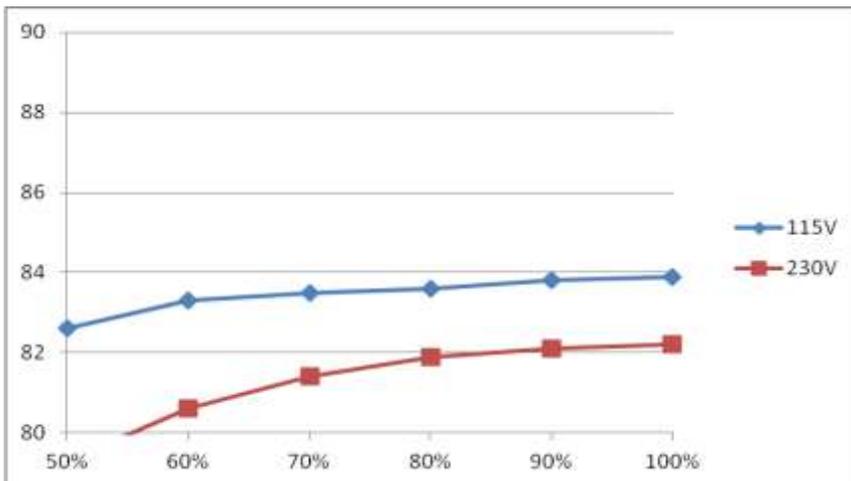
## Power Factor Characteristic

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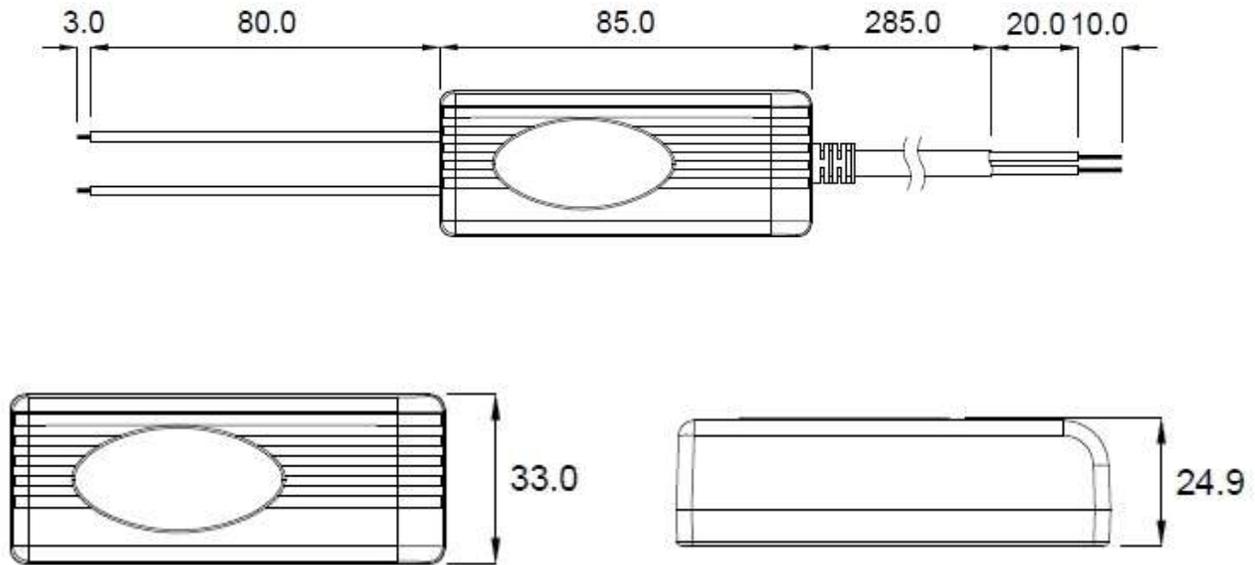
## Efficiency vs Load

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# Mechanical Dimensions

## 1. Outline



## 2. Label

<b>ALT Adapter</b>	
<b>Model : APTPG015SR-00</b>	
Input : AC 100-240V ~ 50/60Hz 70~130M	
Output : 12V - 1.3A	
Consumption : 16W	
Ta : -20°C to + 40°C / tc : 45°C	
Made In Taiwan WO126000XX	

Brown AC-L	Red V+
Blue AC-N	Black V-