

UHVU 12W Series

Home Electronics and Appliances AC/DC Adaptor Standard Product



▲ UHVUU3012



▲ UHVUZ3012



▲ UHVUE3012



▲ UHVUK3012



▲ UHVUA3012



▲ UHVUR3012



▲ UHVUF3012



▲ UHVUG3012



▲ UHVUL3012



■ Please contact our sales department for safety standard of each model.



Safety Certificate



Reliability Guarantee



Energy Saving



RoHS 2



LPS



EMC



Household

Product Highlights

- Stability
- Energy and High Efficiency
- Suitable for home appliances
- Suitable for equipment which meet 60335

Protection

- Short Circuit Protection
- Over Voltage Protection
- Over Current Protection

Safety Standard

- 61558-1
- 60335-1
- PSE 別表第八

Efficiency

- Energy Efficiency Level VI (ErP / DoE)
- Meet Commission Regulation(EU) 2019/1782
- Meet DOE 10 CFR part 429 and 430

Emissions

- FCC
 - FCC Part15-B
- CE
 - EN(CISPR)55014-B
- VCCI-B
- BS EN55014-1

Immunity

- EN55014-2
 - BS EN55014-2
- The above specifications include the following test standards
- ✓ EN61000-4-2
 - ✓ EN61000-4-3
 - ✓ EN61000-4-4
 - ✓ EN61000-4-5
 - ✓ EN61000-4-6
 - ✓ EN61000-4-11

Electrical Spec

Input					
Description	Min.	Typ.	Max.	Units	Comment
Voltage	90	100~240	264	Vac	
Frequency	47	50/60	63	Hz	

Environmental					
Description	Min.	Typ.	Max.	Units	Comment
Operating Temperature	0	-	40	°C	Free Convection, Sea Level
Storage Temperature	-20	-	65	°C	Free Convection, Sea Level
Operating Humidity	5	-	95	%RH	No Condensing
Storage Humidity	5	-	95	%RH	No Condensing

Typical model list

Model Name	DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	Average Active Efficiency	No-Load Power Consumption	Option / Remark
UHVUx3012-050020SA	5.0V	2.0A	±5%	150mV	150mV	78.70%	0.1W	
UHVUx3012-059020SA	5.9V	2.0A	±5%	120mV	120mV	79.83%	0.1W	
UHVUx3012-090013SA	9.0V	1.3A	±5%	180mV	180mV	82.83%	0.1W	
UHVUx3012-100012SA	10.0V	1.2A	±5%	180mV	240mV	82.96%	0.1W	
UHVUx3012-120010SA	12.0V	1.0A	±5%	240mV	240mV	82.96%	0.1W	
UHVUx3012-150800SA	15.0V	0.8A	±5%	200mV	300mV	82.96%	0.1W	
UHVUx3012-240500SA	24.0V	0.5A	±5%	240mV	480mV	82.96%	0.1W	

■ Measurement Condition

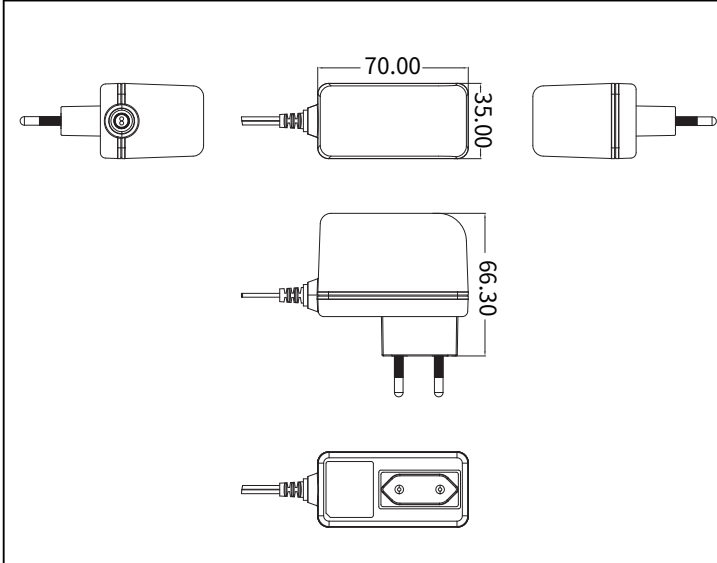
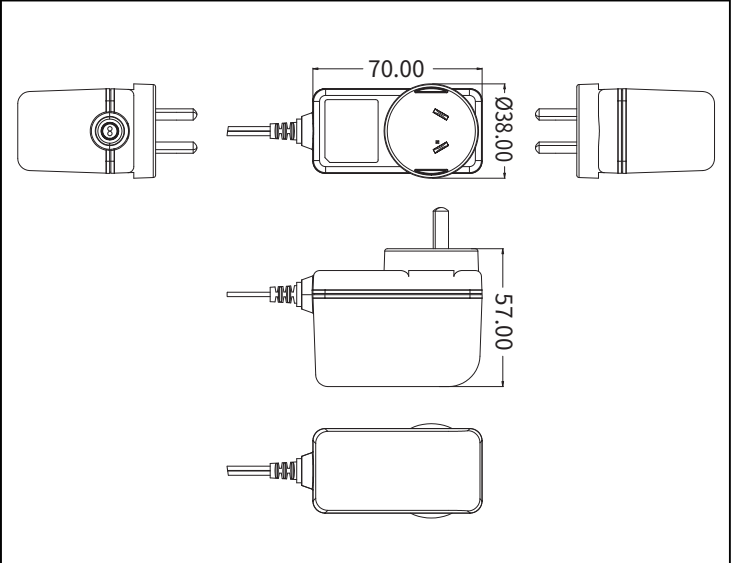
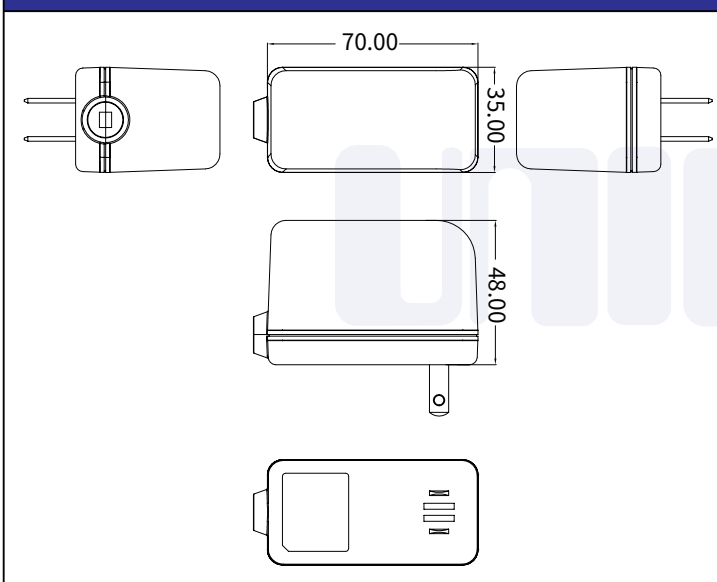
- Measurements shall be made with an oscilloscope with 20MHz bandwidth.
- Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF electrolytic capacitor to simulate system loading.

more detail on next page

Mechanical Spec

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UHVUE3012 Series	UHVUK3012 Series
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Mechanical Spec

UHVUF3012 Series	UHVUG3012 Series
	
UHVUL3012 Series	
	

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