

# UHVCxN 12W Series

## Home Electronics and Appliances AC/DC Adaptor Standard Product GaN/SiC Technology



▲ UHVCUN3012



▲ UHVCEN3012



▲ UHVCKN3012



▲ UHVCAN3012



▲ UHVCZN3012



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

### Product Highlights

- Stability
- Energy and High Efficiency
- Suitable for home appliances

### Protection

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

### Safety Standard

- 61558-1
- 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
- Meets ErP (EU) 2025/2052 energy efficiency standards

### 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

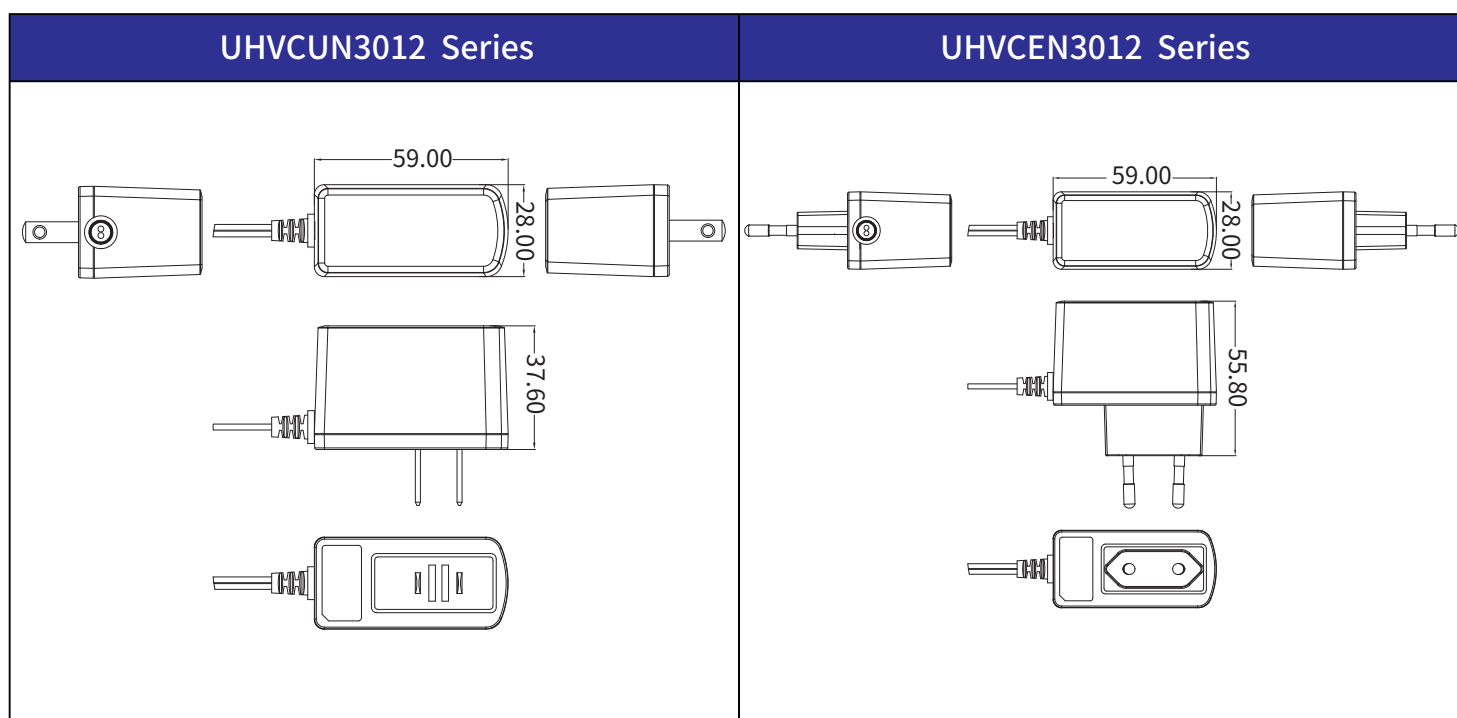
# Typical model list

Model Name	DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	Average Active Efficiency	No-Load Power Consumption	Option / Remark
UHVCxN3012-050020S	5.0V	2.0A	±5%	120mV	120mV	78.70%	0.1W	
UHVCxN3012-090013S	9.0V	1.3A	±5%	200mV	200mV	82.83%	0.1W	
UHVCxN3012-120010S	12.0V	1.0A	±5%	240mV	240mV	82.96%	0.1W	
UHVCxN3012-150Z80S	15.0V	0.8A	±5%	300mV	300mV	82.96%	0.1W	
UHVCxN3012-190Z63S	19.0V	0.63A	±5%	400mV	400mV	82.95%	0.1W	
UHVCxN3012-240Z50S	24.0V	0.5A	±5%	480mV	480mV	82.96%	0.1W	

■ Measurement Condition

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

# Mechanical Spec



Mechanical Spec

UHVCKN3012 Series	UHVCAN3012 Series
<p>59.00 49.20 46.80</p>	<p>59.00 40.00 46.60</p>
UHVCZN3012 Series	
<p>59.00 28.00 37.60</p>	

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■ Please contact our sales department for details of each model ■