UNVCxN 12W Series

I.C.T./AV AC/DC Adaptor
Standard Product
GaN/SiC Technology

▲ UNVCUN3012

▲ UNVCEN3012

▲ UNVCKN3012

▲ UNVCAN3012

▲ UNVCZN3012

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

Safety Certificate | Reliability Guarantee | Energy Saving | ROHS 2 | EMC | LPS | GaN-MOSFET

Product Highlights

- Stability
- Energy and High Efficiency
- Suitable for audio, video, information and communications technology equipment

Protection

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

Safety Standard

- 62368-1
- 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)55032-B
- VCCI-B
- BS EN 55032

Immunity

- EN55035
- BS EN 55035

The above specifications include the following test standards

✓ EN61000-4-2
✓ EN61000-4-3
✓ EN61000-4-4
✓ EN61000-4-5
✓ EN61000-4-6
✓ EN61000-4-8
✓ 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

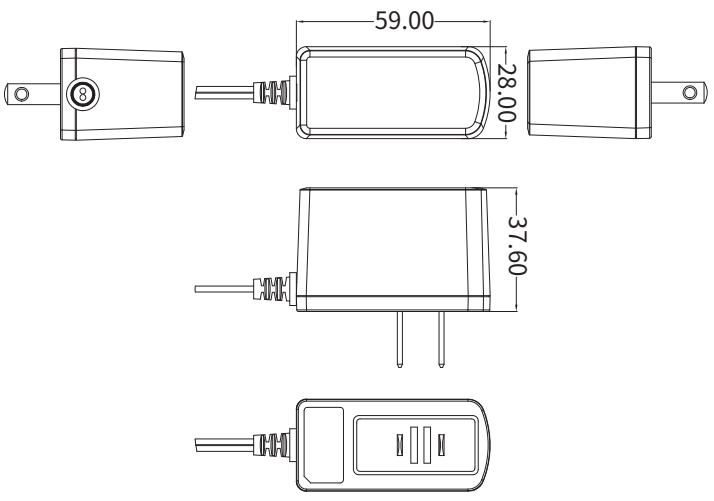
Typical model list

Model Name	DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	Average Active Efficiency	No-Load Power Consumption	Option / Remark
UNVCxN3012-050020S	5.0V	2.0A	±5%	120mV	120mV	78.70%	0.1W	
UNVCxN3012-090013S	9.0V	1.3A	±5%	200mV	200mV	82.83%	0.1W	
UNVCxN3012-120010S	12.0V	1.0A	±5%	240mV	240mV	82.96%	0.1W	
UNVCxN3012-150Z80S	15.0V	0.8A	±5%	300mV	300mV	82.96%	0.1W	
UNVCxN3012-190Z63S	19.0V	0.63A	±5%	400mV	400mV	82.95%	0.1W	
UNVCxN3012-240Z50S	24.0V	0.5A	±5%	480mV	480mV	82.96%	0.1W	

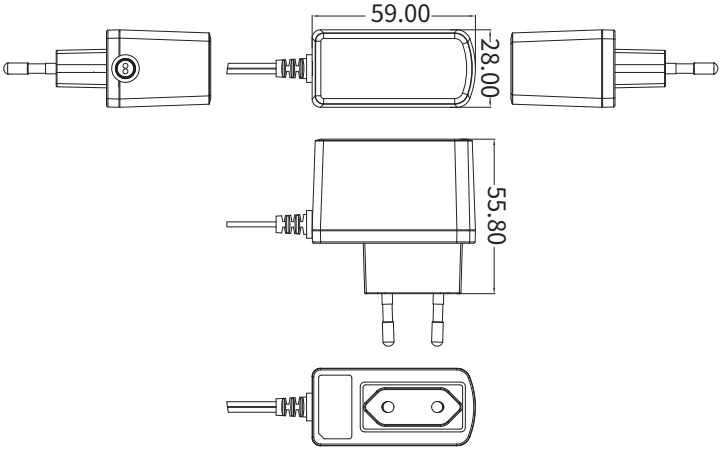
Measurement Condition
1. Measurements shall be made with an oscilloscope with 20MHz bandwidth.
2. Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF Low ESR electrolytic capacitor to simulate system loading.

Mechanical Spec

UNVCUN3012 Series

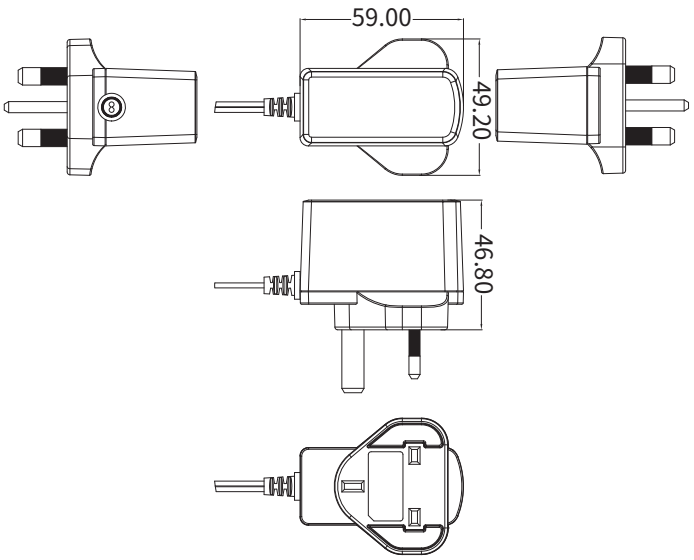


UNVCEN3012 Series

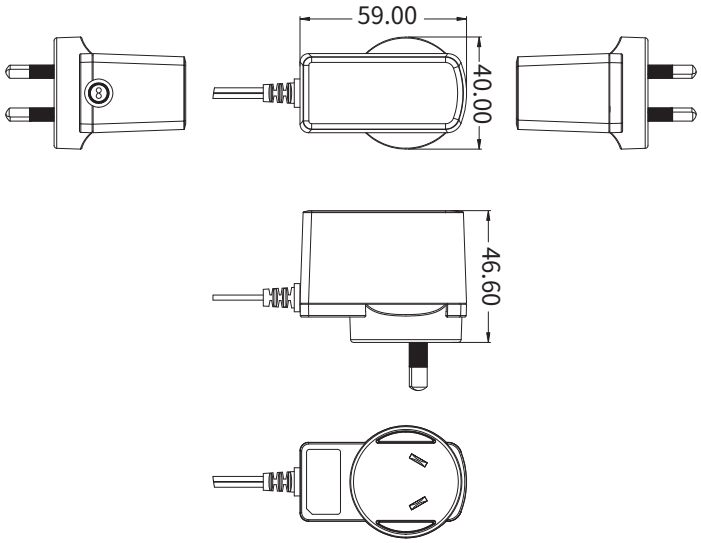


Mechanical Spec

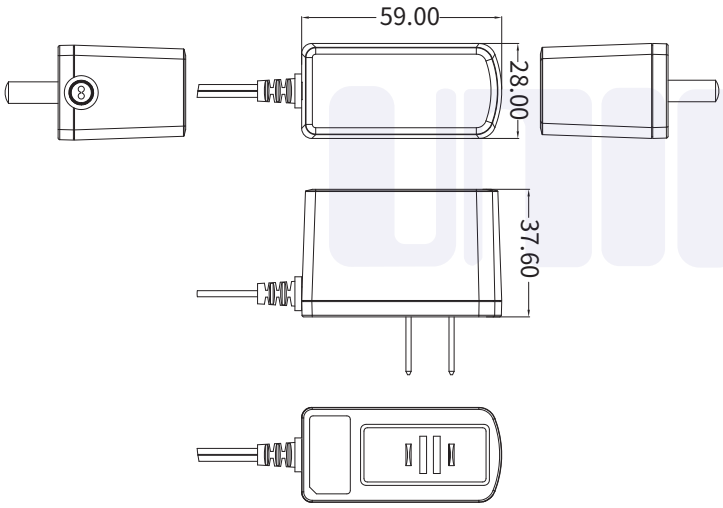
UNVCKN3012 Series



UNVCAN3012 Series



UNVCZN3012 Series



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