SA 6W Series

I.C.T./AV AC/DC Adaptor
Wide Ambient Temperature

▲ SA310

▲ SAL310

▲ SAE310

▲ SAR310

▲ SAK310

▲ SAY310

▲ SAZ310

All safety meets 40 degree standard.
Please contact our sales department for safety standard of each model.

Safety Certificate | Reliability Guarantee | Energy Saving | ROHS 2 | EMC | LPS

Product Highlights

- -20°C~60°C Operating Temperature
- Stability
- Energy and High Efficiency
- Applicable to use in harsh environments.
- Suitable for IoT, AIoT/automation equipment/ASRS
- Support wide range of temperature environments.

Protection

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

Safety Standard

- 60065-1
- 60950-1
- 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

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 for 12W	0	-	40	°C	Free Convection,Sea Level
Operating Temperature for 6W	-20	-	60	°C	Free Convection,Sea Level
Storage Temperture	-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
1	SA310-0520	5.0V	1.2A	±5%	100mV	100mV	75.00%	0.1W	-20°C~60°C
		5.0V	2.0A	±5%	100mV	100mV	78.70%	0.1W	0°C~40°C
2	SA310-1210	12.0V	0.5A	±5%	120mV	240mV	78.89%	0.1W	-20°C~60°C
		12.0V	1.0A	±5%	120mV	240mV	82.96%	0.1W	0°C~40°C
3	SA310-2405	24.0V	0.25A	±5%	240mV	480mV	78.89%	0.1W	-20°C~60°C
		24.0V	0.5A	±5%	240mV	480mV	82.96%	0.1W	0°C~40°C

- Measurement Condition

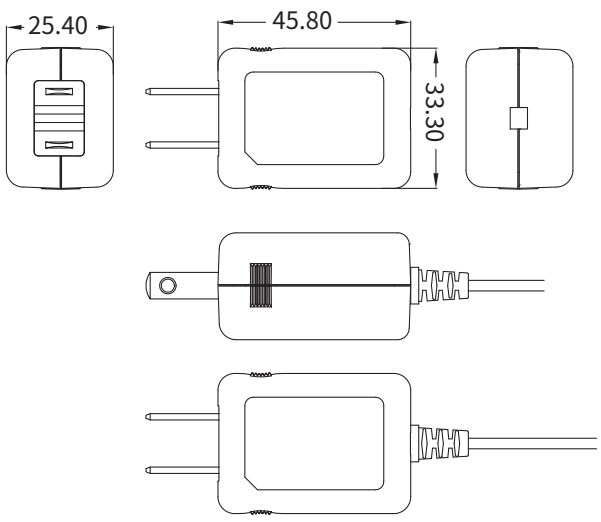
1. Mesurements shall be made with an oscilloscope with 20MHz bandwidth.
2. Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF electrolytic capacitor to simulate system loading.

- Precaution The different output current is applied to the different operating temperature. For example, 12.0V/0.5A is for -20°C to 60°C and 12.0V/1.0A is for 0°C to 40°C. For the applicable safety standards, see the specification sheef.

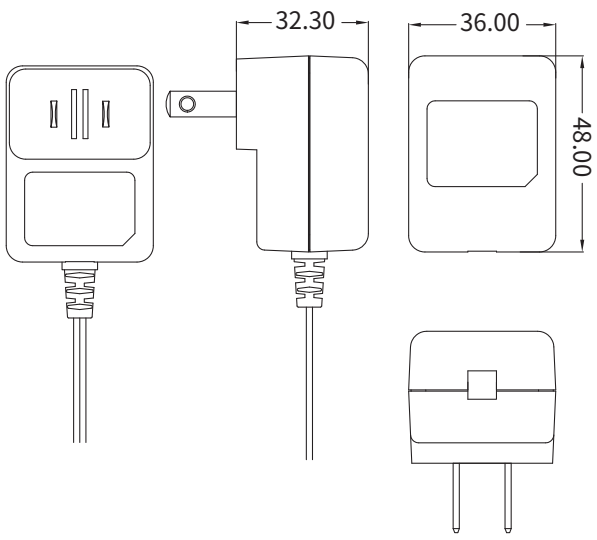
3. Safety certificates were available for the model with 0~40 degrees operation.
   No certificates for the model which operating under -20~60 degrees,but the design can meet safety standard.

Mechanical Spec

SA310 Series

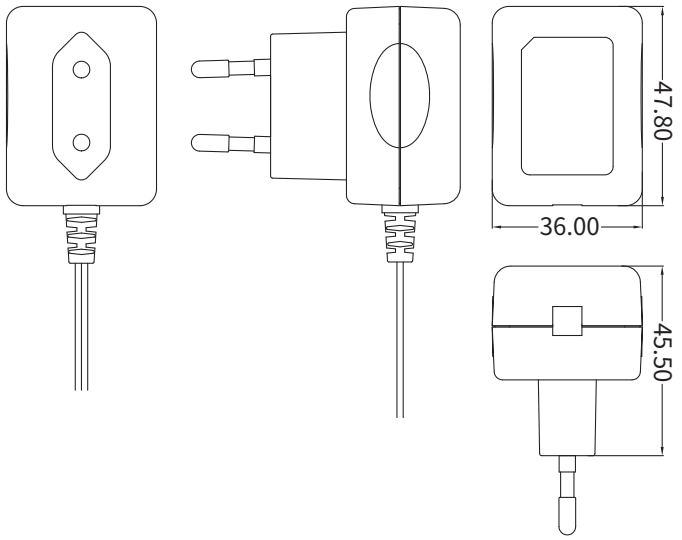


SAL310 Series

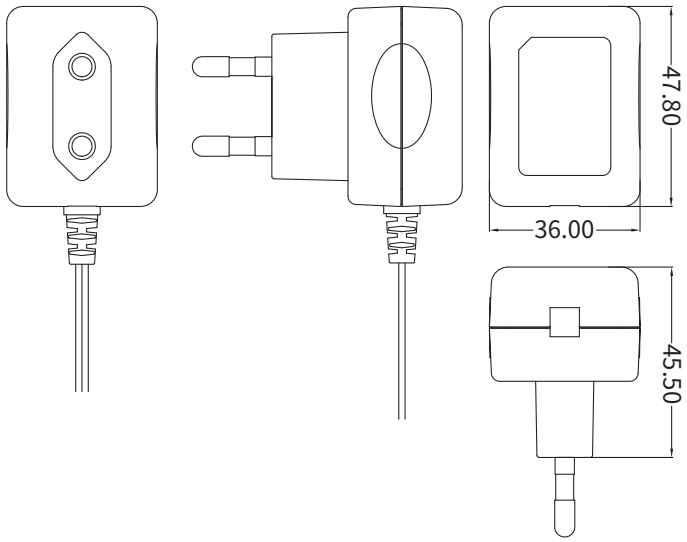


Mechanical Spec

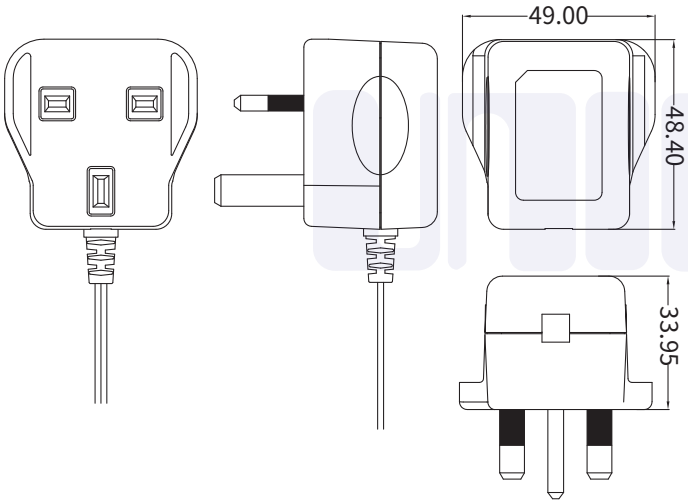
SAE310 Series



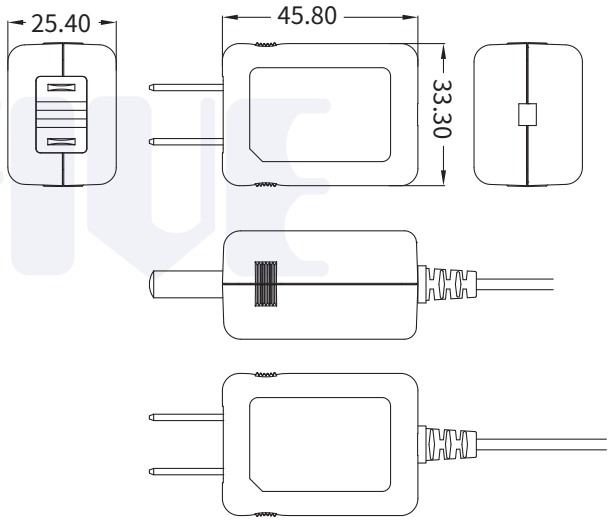
SAR310 Series



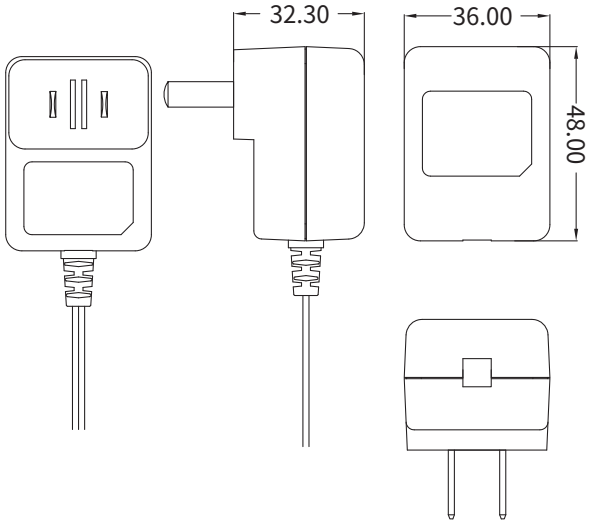
SAK310 Series



SAY310 Series



SAZ310 Series



Please contact our sales department for details of each model