

SV 6W Series

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



▲ SV313



▲ SVE313



▲ SVK313



▲ SVA313



▲ SVZ313



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



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

Safety Standard

- 60950-1
- 62368-1
- CNS14336
- 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
- CNS13438
- 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 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
1	SV313-0520	5.0V	1.2A	±5%	150mV	200mV	75.00%	0.1W	-20°C~60°C
		5.0V	2.0A	±5%	150mV	200mV	78.70%	0.1W	0°C~40°C
2	SV313-5918	5.9V	1.0A	±5%	200mV	240mV	74.88%	0.1W	-20°C~60°C
		5.9V	1.8A	±5%	200mV	240mV	79.12%	0.1W	0°C~40°C
3	SV313-0913	9.0V	0.65A	±5%	200mV	240mV	78.72%	0.1W	-20°C~60°C
		9.0V	1.3A	±5%	200mV	240mV	82.82%	0.1W	0°C~40°C
4	SV313-1210	12.0V	0.5A	±5%	200mV	240mV	78.88%	0.1W	-20°C~60°C
		12.0V	1.0A	±5%	200mV	240mV	82.96%	0.1W	0°C~40°C
5	SV313-2405	24.0V	0.25A	±5%	240mV	480mV	78.88%	0.1W	-20°C~60°C
		24.0V	0.5A	±5%	240mV	480mV	82.96%	0.1W	0°C~40°C

■ 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 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.

more detail on next page

Mechanical Spec

SV313 Series	SVE313 Series
SVK313 Series	SVA313 Series
SVZ313 Series	

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