

SB 5W Series

-20°C/+60°C Wide Operating Temperature Range AC/DC Adaptor



▲ **SB310**



▲ **SBY310**



▲ **SBE310**



▲ **SBK310**



▲ **SBA310**



■ 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



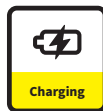
LPS



EMC



Miniaturization



Charging

Product Highlights

- -20°C~60°C Operating Temperature for 6W
- Stability
- Compact Size
- Light Weight
- Suit Small to Mid Size Hand Held Computer, LCD Display, etc

Efficiency

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

Protection

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

Emissions

- FCC Part15 Class B
- CE CISPR 32 EN55032
- VCCI Class B

Safety Standard

- 60950-1
- 62368-1
- PSE 別表第八

Immunity

- EN55024/A1:2001

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 10W	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

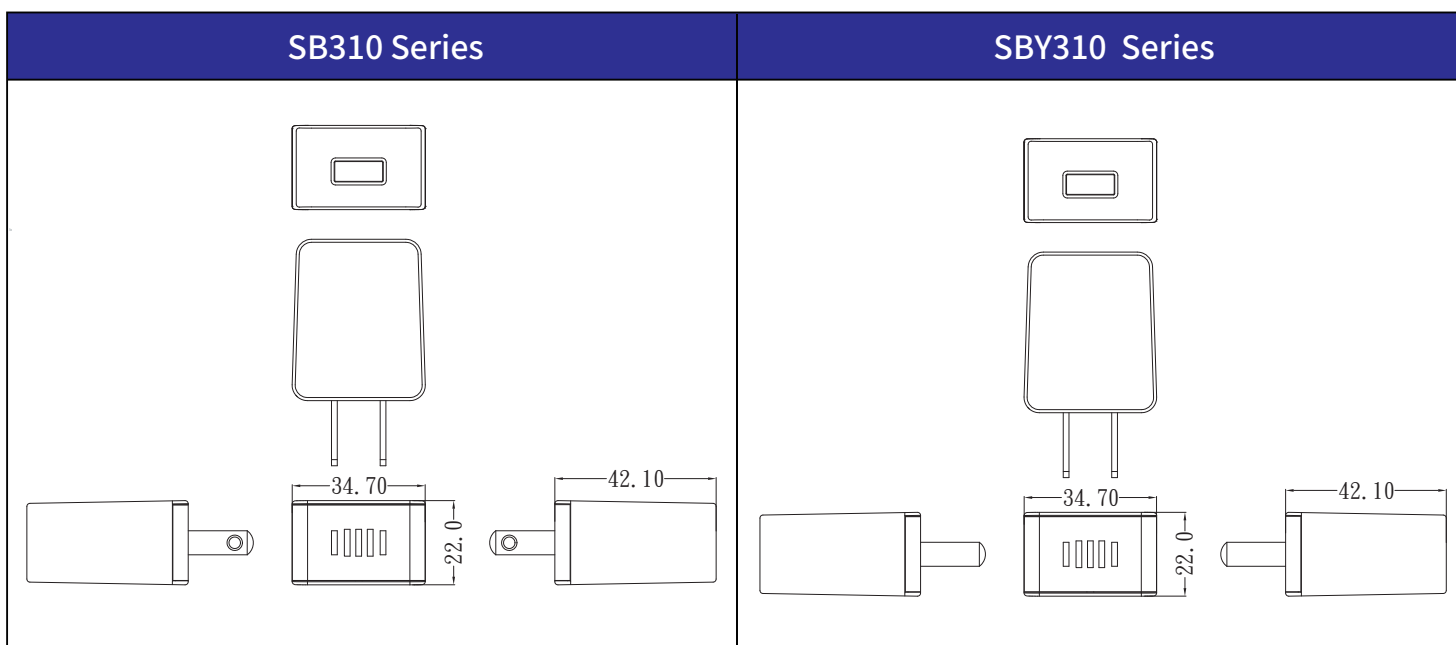
Typical model list

No.		DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	Average Active Efficiency	No-Load Power Consumption	Option/Remark
1	SB310-0520	5.0V	1.0A	±5%	100mV	200mV	73.62%	0.1W	-20°C~60°C
		5.0V	2.0A	±5%	150mV	200mV	78.80%	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.

Mechanical Spec



more detail on next page

SBE310 Series	SBK310 Series
<p>Technical drawings of the SBE310 Series. The drawings include a side view, a top view, and a bottom view. Dimensions are provided: 21.90 (width of top view), 35.60 (height of top view), and 60.20 (width of side view).</p>	<p>Technical drawings of the SBK310 Series. The drawings include a side view, a top view, and a bottom view. Dimensions are provided: 44.70 (width of side view), 41.30 (width of bottom view), and 49.30 (height of bottom view).</p>
SBA310 Series	
<p>Technical drawings of the SBA310 Series. The drawings include a side view, a top view, and a bottom view. Dimensions are provided: 51.00 (height of side view), 40.00 (width of top view), and 40.00 (width of bottom view).</p>	

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