

SEC 90W Series

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



▲ SEC3120



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



Safety Certificate



Reliability Guarantee



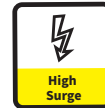
Energy Saving



RoHS 2



EMC



High Surge



PFC

Product Highlights

- -20°C~60°C
- Operating Temperature for 90W
- Stability
- High efficiency

Protection

- Short Circuit Protection
- Over Voltage Protection
- Over Current 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 Part15 Class B
- CE CISPR 32 Class B
- VCCI Class B
- BS EN55032

Immunity

- EN 55035
- BS EN55035

Input					
Description	Min.	Typ.	Max.	Units	Comment
Voltage	90	100~240	264	Vac	
Frequency	47	50/60	63	Hz	
Power Factor	ACIN 100V	0.9	-	-	-
	ACIN 230V	0.9	-	-	-

Environmental					
Description	Min.	Typ.	Max.	Units	Comment
Operating Temperature for 120W	0	-	40	°C	Free Convection,Sea Level
Operating Temperature for 90W	-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	SEC3120-1210	12.0V	7.5A	±5%	240mV	480mV	88.0%	0.21W	-20°C~60°C
		12.0V	10.0A	±5%	240mV	480mV	88.0%	0.21W	0°C~40°C
2	SEC3120-1580	15.0V	6.0A	±5%	300mV	480mV	88.0%	0.21W	-20°C~60°C
		15.0V	8.0A	±5%	300mV	480mV	88.0%	0.21W	0°C~40°C
3	SEC3120-1963	19.0V	4.73A	±5%	190mV	380mV	88.0%	0.21W	-20°C~60°C
		19.0V	6.3A	±5%	190mV	380mV	88.0%	0.21W	0°C~40°C
4	SEC3120-2060	20.0V	4.5A	±5%	200mV	400mV	88.0%	0.21W	-20°C~60°C
		20.0V	6.0A	±5%	200mV	400mV	88.0%	0.21W	0°C~40°C
5	SEC3120-2450	24.0V	3.75A	±5%	360mV	720mV	88.0%	0.21W	-20°C~60°C
		24.0V	5.0A	±5%	360mV	720mV	88.0%	0.21W	0°C~40°C

■ Measurement condition

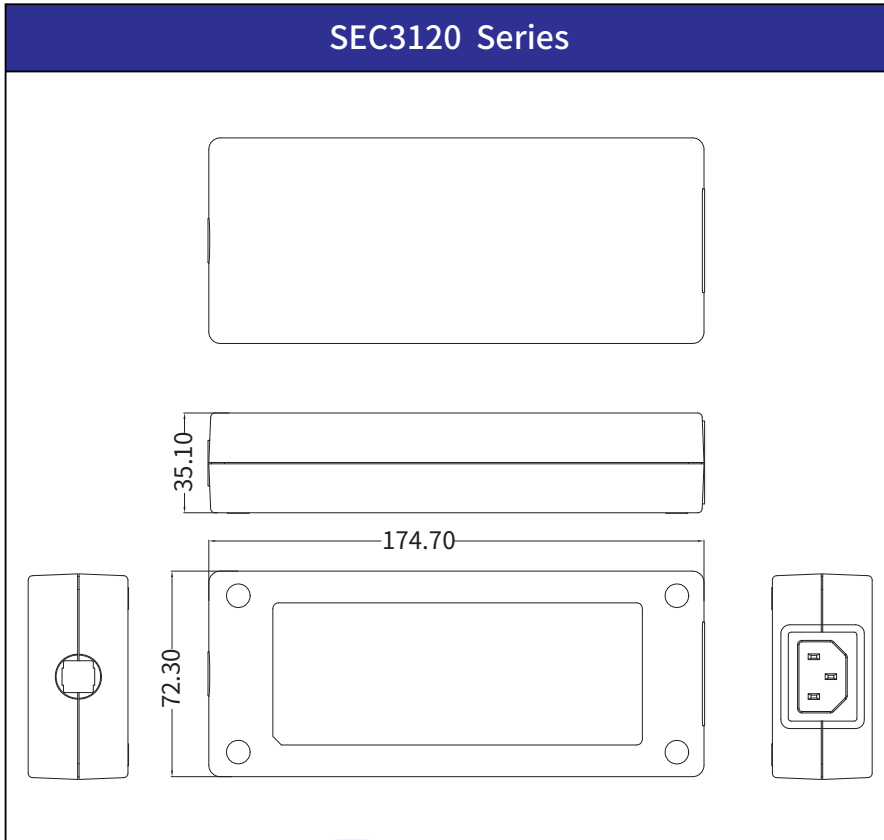
1. Measurements shall be made with an oscilloscope with 20MHz bandwidth.
2. Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF electrolytic capacitor to simulate system loading.

■ Precaution The different output current is applied to the different operating temperature. For example, 12.0V/7.5A is for -20°C to 60°C and 12.0V/10.0A 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



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