SN 12W Series

UNIFIVE
2022.07.15 V2

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

▲ SNI318

▲ SNT318

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

Product Highlights

- -20°C~60°C Operating Temperature for 12W
- Stability
- Compact Size
- Energy Efficiency
- Suit LCD Display, Hand Held Computer, Multimedia Player, etc

Protection

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

Safety Standard

- 60950-1
- 62368-1
- GB4943.1
- 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 Part15 Class B
- CE CISPR 32 EN55032
- VCCI Class B
- CNS13438
- GB9254/GB17625.1
- BS EN 55032

Immunity

- EN 55035
- BS EN 55035

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 18W	0	-	40	°C	Free Convection,Sea Level
Operating Temperature for 12W	-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

No.		DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	Average Active Efficiency	No-Load Power Consumption	Option/Remark
1	SNx318-0530	5.0V	2.0A	±5%	150mV	150mV	85.00%	0.1W	-20°C~60°C
		5.0V	3.0A	±5%	150mV	150mV	86.11%	0.1W	0°C~40°C
2	SNx318-5928	5.9V	2.0A	±5%	150mV	150mV	85.00%	0.1W	-20°C~60°C
		5.9V	2.8A	±5%	150mV	150mV	86.20%	0.1W	0°C~40°C
3	SNx318-0920	9.0V	1.3A	±5%	180mV	180mV	85.00%	0.1W	-20°C~60°C
		9.0V	2.0A	±5%	180mV	180mV	86.20%	0.1W	0°C~40°C
4	SNx318-1215	12.0V	1.0A	±5%	120mV	240mV	85.00%	0.1W	-20°C~60°C
		12.0V	1.5A	±5%	120mV	240mV	86.11%	0.1W	0°C~40°C
5	SNx318-2475	24.0V	0.5A	±5%	240mV	480mV	84.32%	0.1W	-20°C~60°C
		24.0V	0.75A	±5%	240mV	480mV	86.20%	0.1W	0°C~40°C

- Remarks：SNx (x=I or T)
- Measurement Condition

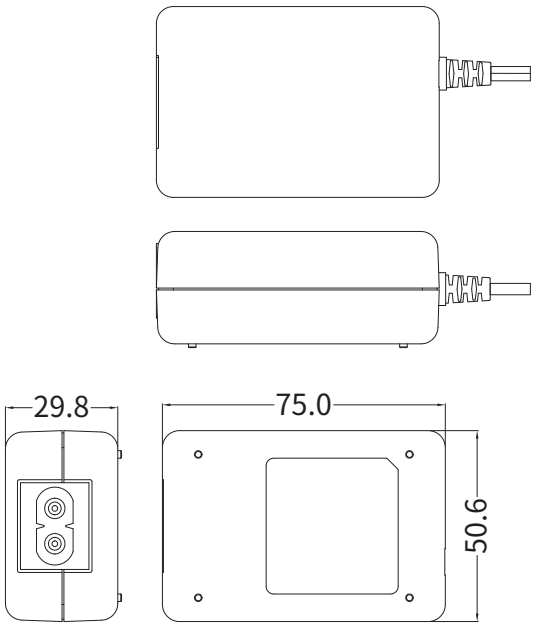
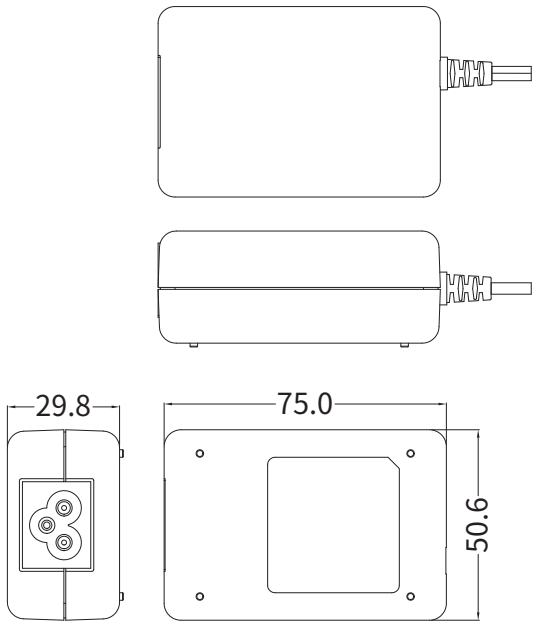
1. Mesurements shall be made with an oscilloscope with 20MHz bandwidth.
2. Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF electrolytic capacitor to simulate system loading.

- Precaution The different output current is applied to the different operating temperature. For example, 12.0V/1.0A is for -20°C to 60°C and 12.0V/1.5A 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

SNI318 Series	SNT318 Series
	

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