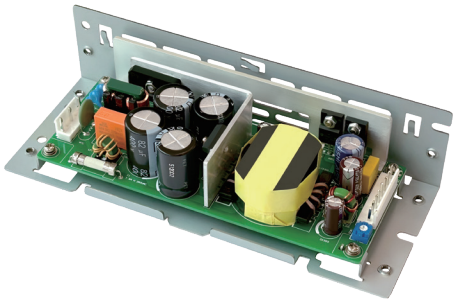
UNOWT 100W Series

Industrial Power Supply
Standard Product
Compact 2.4"×6.1"

▲ UNOWT1100 Series



▲ UNBWT1100 Series with chassis

▲ UNSWT1100 Series with chassis and cover

Please contact our sales department for safety standard of each model.

Safety Certificate | Reliability Guarantee | Energy Saving | RoHS 2 | EMC | Inrush Current | Voltage adjust

Model Name Definition

U N O W T 1 1 0 0 - ___

① ② ③ ④ ⑤

① Developed by UNIFIVE
② Series Code
③ Input Voltage (V)
④ Output Power (W)
⑤ Function Description (multiple digits)

- O: Standard Version
- B: Chassis
- S: Chassis and cover

Product Highlights

- Stability
- Energy and High Efficiency
- PCB Size 2.4"x 6.1"(inch)
- Appendix 8 of PSE :
  comply with dusty requirement
- Up to 5-Year Warranty
- Correspond to OVC Ⅲ (2000m)
- Operating altitude Up to 5,000m
- Suitable for industrial equipment

Protection

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

Safety Standard

- 62368-1
- PSE 別表第八
  100V 基準に準拠

Efficiency

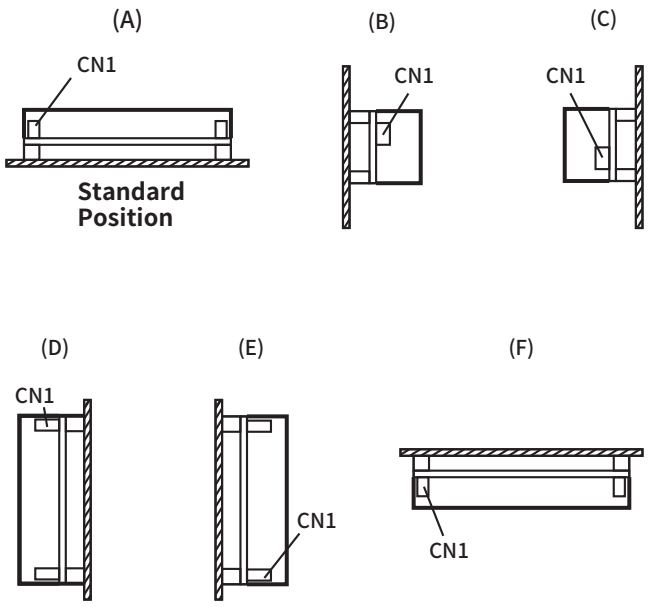
- Energy Efficiency Level VI (ErP / DoE)
- Meet Commission Regulation(EU) 2019/1782
- Meet DOE 10 CFR part 429 and 430

Emissions

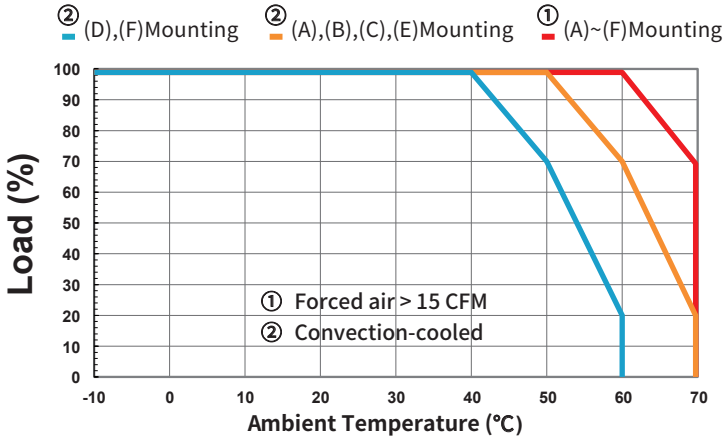
- FCC
  - FCC Part15-B

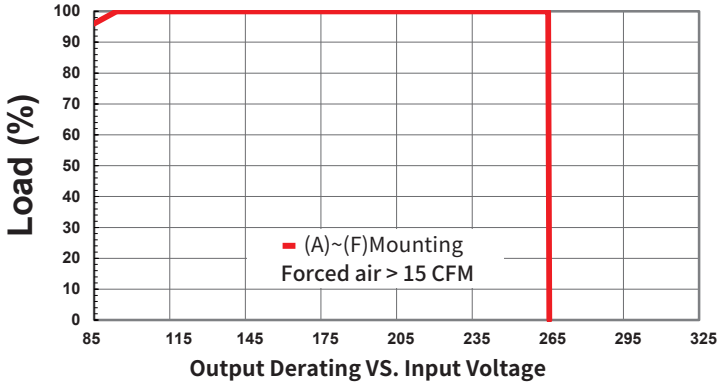
Installation Method & Derating

Installation method



Ambient temperature derating curve (referance value)





Electrical Spec

Input					
Description	Min.	Typ.	Max.	Units	Comment
Voltage	90	100~120	132	Vac	
Frequency	47	50/60	63	Hz	

Environmental					
Description	Min.	Typ.	Max.	Units	Comment
Operating Temperature	-10	-	70	°C	Free Convection,Sea Level Convection: -10 - +70°C (-10 - +50°C: 100%, +60°C: 70%, +70°C: 20%)
Storage Temperature	-30	-	75	°C	Free Convection,Sea Level
Operating Humidity	5	-	95	%RH	No Condensing
Storage Humidity	5	-	95	%RH	No Condensing

Typical model list

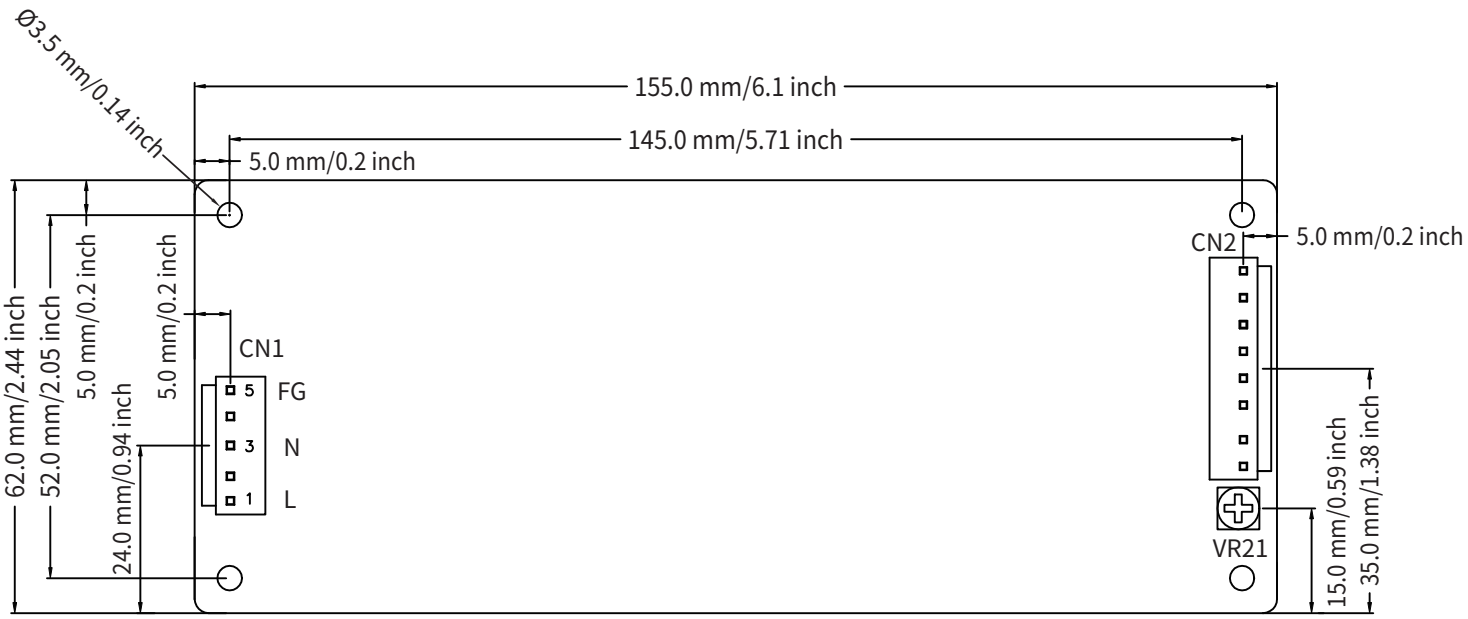
Output Port	Model Name	DC Output Voltage	DC Output Current	Output voltage range	Ripple	Noise	Option / Remark
CN2	UNOWT1100-120085SA	12.0V	8.5A	±10% (4.)	150mV	180mV	
	UNOWT1100-150067SA	15.0V	6.7A	±10% (4.)	150mV	180mV	
	UNOWT1100-240043SA	24.0V	4.3A	±10% (4.)	150mV	180mV	
	UNOWT1100-480021SA	48.0V	2.1A	±10% (4.)	200mV	240mV	

■ Measurement Condition
1. Mesurements shall be made with an oscilloscope with 100MHz bandwidth.
2. Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 100uF Low ESR electrolytic capacitor to simulate system loading.
3. Use cable length 150mm for ripple test.
4. Output voltage range ±10%,the voltage can be adjusted by the VR21 mentioned in mechanical spec.

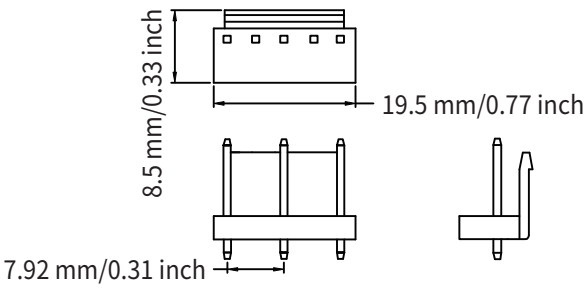
more detail on next page

Mechanical Spec

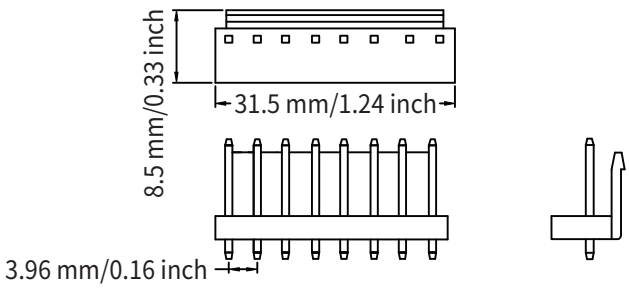
TOLERANCE:±0.5 mm
Unit:mm/inch



CN1



CN2



CN1

PIN NUMBER	INPUT
1	AC(L)
2	
3	AC(N)
4	
5	FG

CN1 : INPUT CONNECT
Specifications are equivalent to models of JST B5P-VH

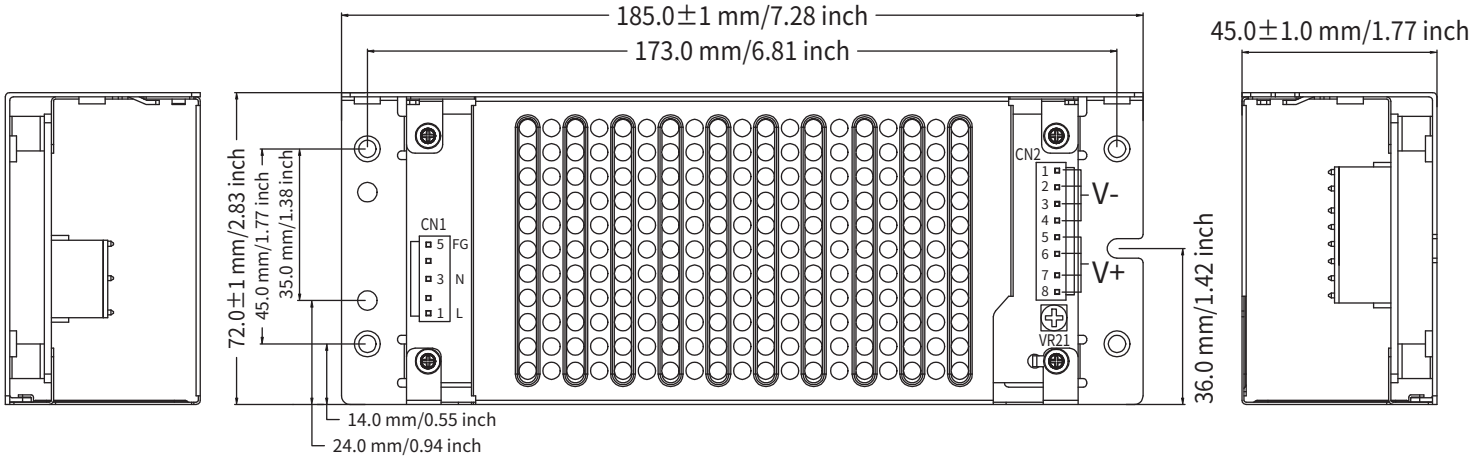
CN2

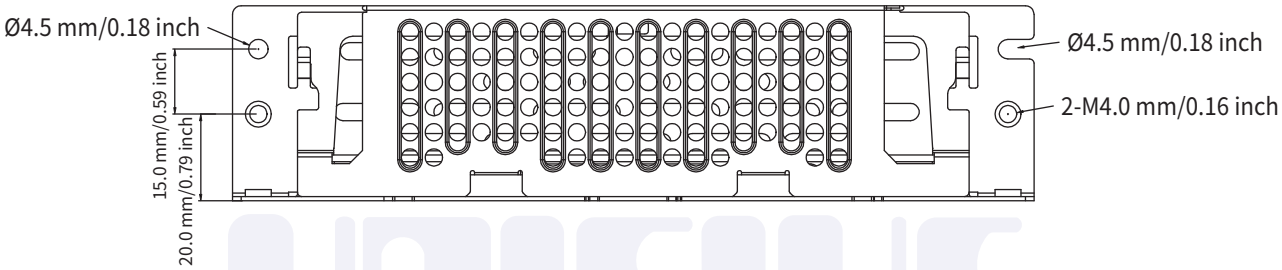
PIN NUMBER	OUTPUT
1,2,3,4	V-
5,6,7,8	V+

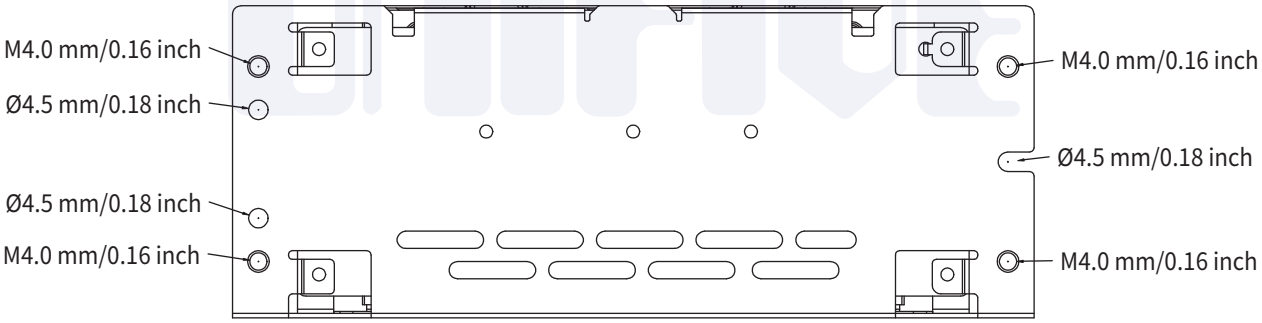
CN2 : OUTPUT CONNECT
Specifications are equivalent to models of JST B8P-VH

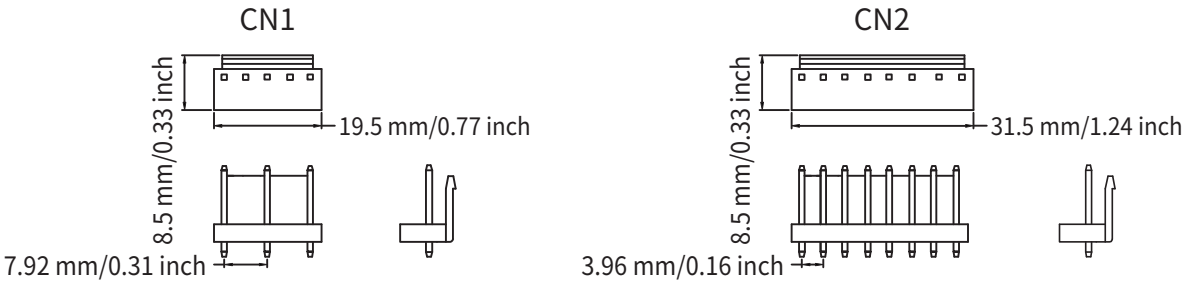
Mechanical Spec

TOLERANCE：±0.5 mm
Unit：mm/inch









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PIN NUMBER	INPUT
1	AC(L)
2	
3	AC(N)
4	
5	FG

CN1 : INPUT CONNECT
Specifications are equivalent to models of JST B5P-VH

CN2

PIN NUMBER	OUTPUT
1,2,3,4	V-
5,6,7,8	V+

CN2 : OUTPUT CONNECT
Specifications are equivalent to models of JST B8P-VH

- **Please contact our sales department for details of each model**