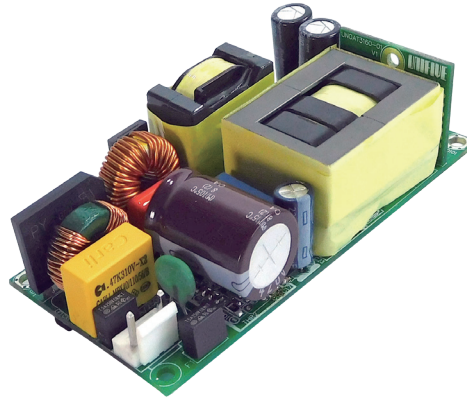


# UxONT 100W Series

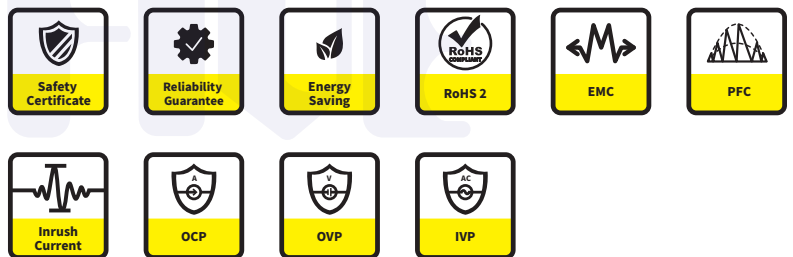
Open Frame Switching Power Supply  
Compact 2" × 4"



▲ UxONT3100 Series

CB CE UK CA FC

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



## Model Name Definition

# UxONT3100

x : Depend on Safety Standard

- A 60065-1
- O 60335-1
- I 60950-1
- H 61558-1
- N 62368-1

## Product Highlights

- Stability
- Energy and High Efficiency
- Small Size
- Meet Complies with IEC61000-3-2
- Power Factor Correction
- Full Range Input Voltage (90Vac~264Vac)
- Appendix 8 of PSE : Comply with Dusty Requirement.

## Efficiency

- Up to 94%

## Protection

- Short Circuit Protection
- Over Voltage Protection
- Over Current Protection
- Brown In and Brown Out Protection

## Emissions

- FCC
    - FCC Part15-B
  - CE
    - EN(CISPR)55032-B
    - EN(CISPR)55014-B
  - VCCI-B
- (\*Power supply with AC inlet filter mounted in user's metal chassis)

## Safety Standard

- 62368-1
- 61558-1
- 60335-1
- PSE 別表第八 100V 基準に準拠

## Immunity

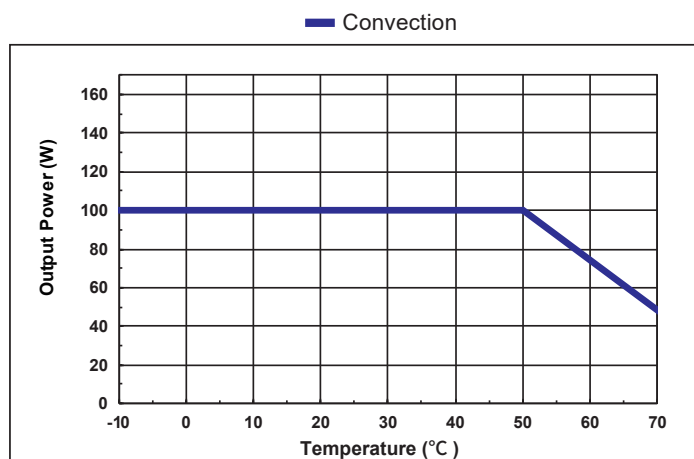
- EN55035
  - EN55014-2
- The above specifications include the following test standards
- ✓ EN61000-4-2
  - ✓ EN61000-4-3
  - ✓ EN61000-4-4
  - ✓ EN61000-4-5
  - ✓ EN61000-4-6
  - ✓ EN61000-4-8
  - ✓ EN61000-4-11

## Electrical Spec

Input					
Description		Min.	Typ.	Max.	Units
Voltage		90	100~240	264	Vac
Frequency		47	50/60	63	Hz
Power Factor	ACIN 100V	-	0.95	-	-
	ACIN 230V	-	0.9	-	-

Environmental						
Description	Min.	Typ.	Max.	Units	Comment	
Operating Temperature	-10	-	70	°C	Refer to Derating Curve(*1)	
Storage Temperature	-20	-	85	°C	Free Convection,Sea Level	
Operating Humidity	5	-	95	%RH	No Condensing	
Storage Humidity	5	-	95	%RH	No Condensing	

## Derating Curve (\*1)



## Typical model list

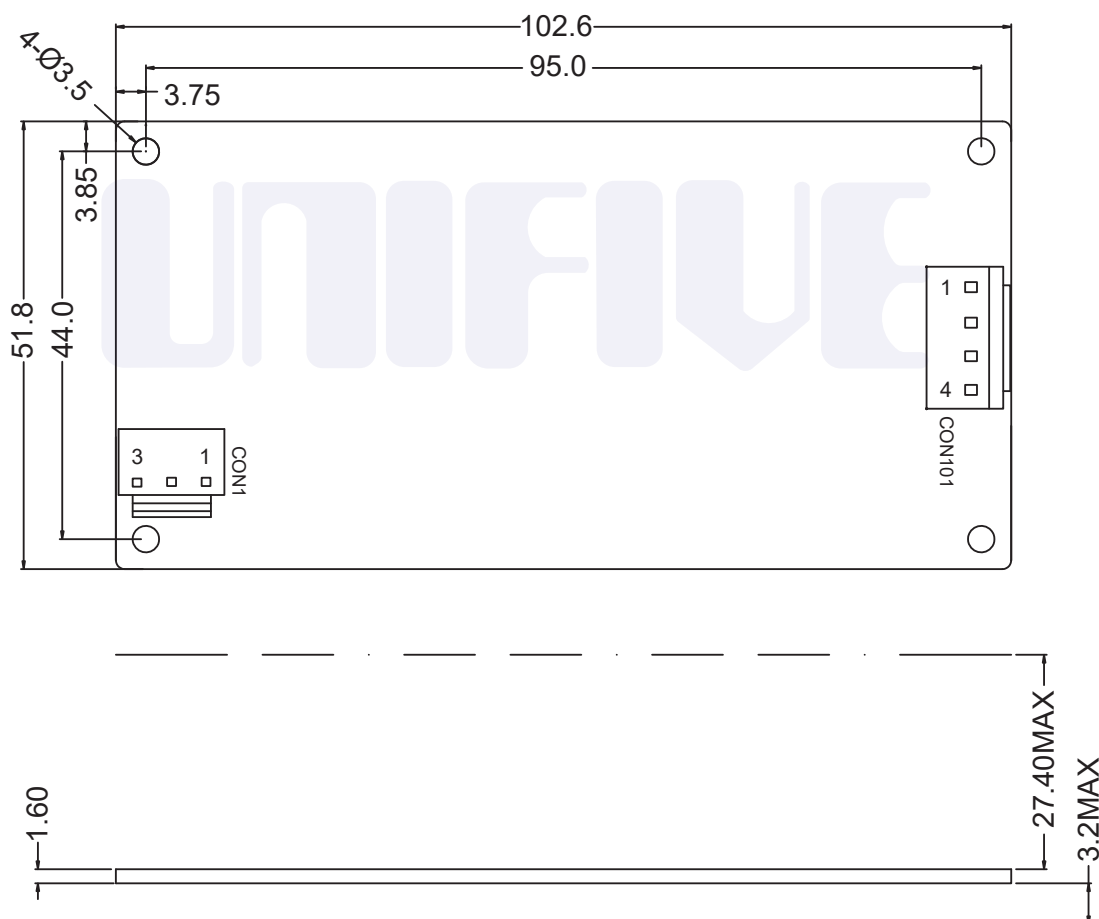
Model Name	Output Port	DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise
UxONT3100-120083NA	CON101	12.0V	8.33A	±4%	120mV	240mV
UxONT3100-150066NA		15.0V	6.67A	±4%	150mV	300mV
UxONT3100-240041NA		24.0V	4.17A	±4%	240mV	480mV
UxONT3100-480020NA		48.0V	2.08A	±4%	480mV	480mV
UxONT3100-540018NA		54.0V	1.85A	±4%	480mV	480mV

■ 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.

## Mechanical Spec

**TOLERANCE: ±0.5**  
**Unit:mm**



### CON1

PIN NUMBER	INPUT
1	AC(L)
2	
3	AC(N)

CON1 : INPUT CONNECT  
MODEL NO : A3963WV-3P  
(THE EQUIVALENT)

### CON101

PIN NUMBER	OUTPUT
1-2	+V
3-4	-V

CON101 : OUTPUT CONNECT  
MODEL NO : A3963WV-4P  
(THE EQUIVALENT)

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