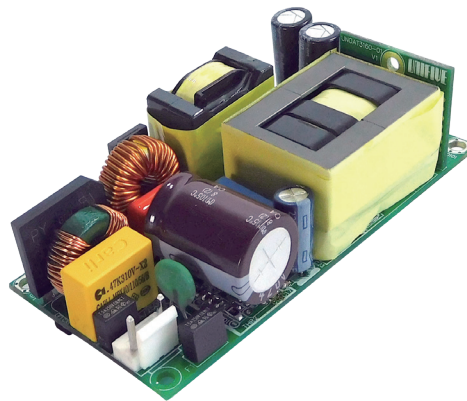


UMONT 100W Series

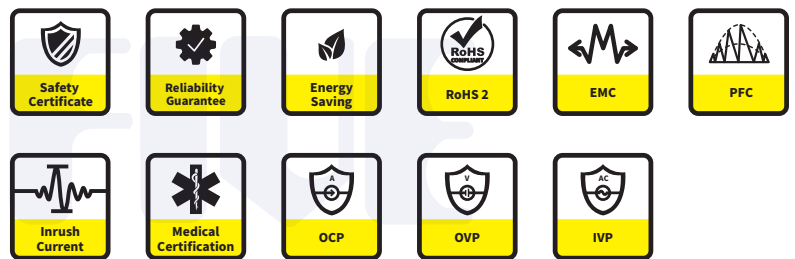
Medical - Open Frame
Compact 2" × 4"



▲ **UMONT3100 Series**



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



Product Highlights

- Stability
- Energy and High Efficiency
- Small Size
- Meet Complies with IEC61000-3-2
- Power Factor Correction
- 2xMOPP/2xMOOP
- Suitable for medical equipment
- 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 Part18-B
 - CE
 - EN(CISPR)55011-B
 - VCCI-B
- (*Power supply with AC inlet filter mounted in user's metal chassis)

Safety Standard

- 60601-1
- PSE 別表第八 100V 基準に準拠

Immunity

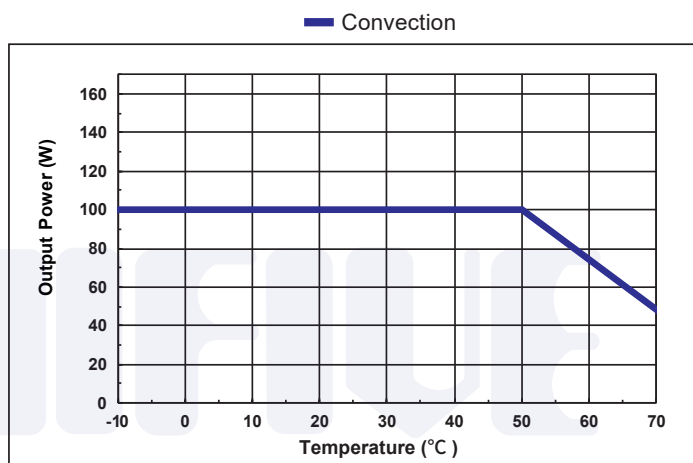
- EN60601-1-2
- The above specifications include the following test standards
- ✓ EN61000-4-2
 - ✓ EN61000-4-3
 - ✓ EN61000-4-4
 - ✓ EN61000-4-5
 - ✓ EN61000-4-6
 - ✓ EN61000-4-8
 - ✓ EN61000-4-11

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 |
|--------------------|-------------|-------------------|-------------------|--------------------------|--------|-------|
| UMONT3100-120083MA | CON101 | 12.0V | 8.33A | ±4% | 120mV | 240mV |
| UMONT3100-150066MA | | 15.0V | 6.67A | ±4% | 150mV | 300mV |
| UMONT3100-240041MA | | 24.0V | 4.17A | ±4% | 240mV | 480mV |
| UMONT3100-480020MA | | 48.0V | 2.08A | ±4% | 480mV | 480mV |
| UMONT3100-540018MA | | 54.0V | 1.85A | ±4% | 480mV | 480mV |

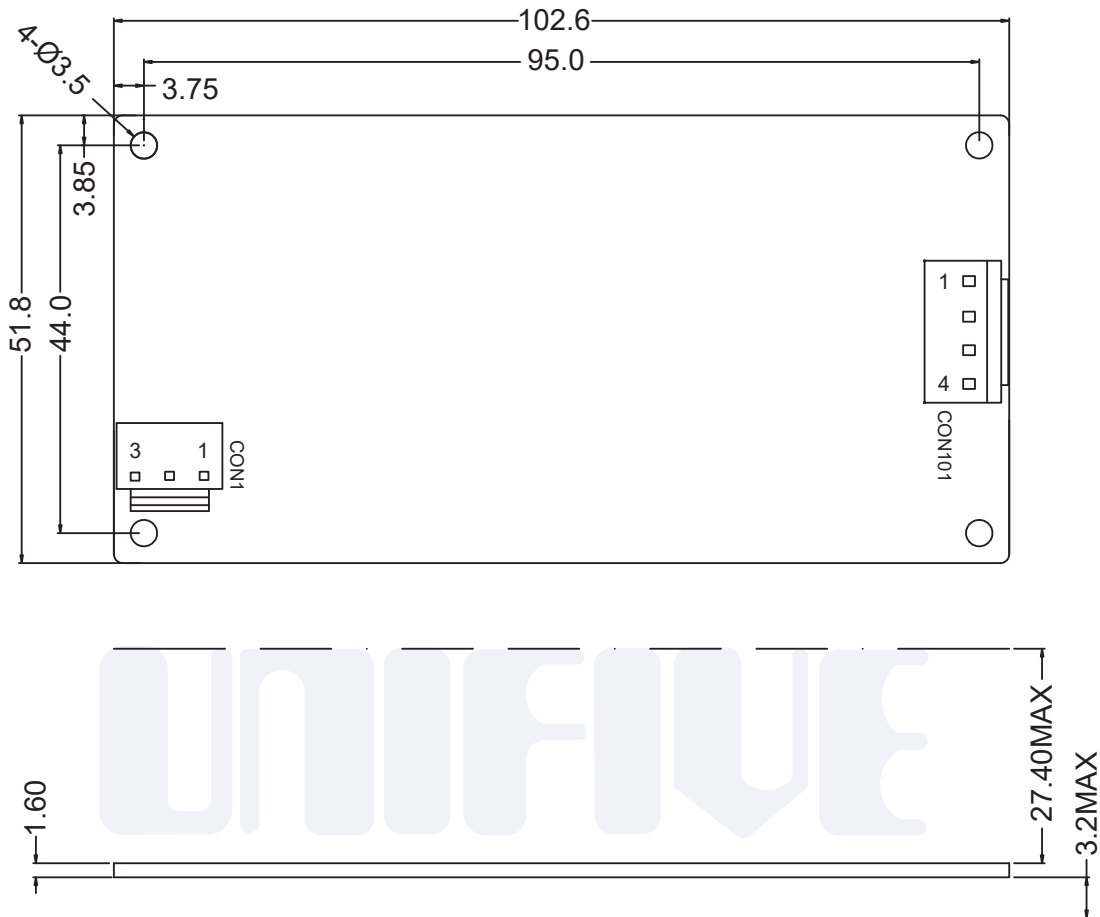
■ Measurement Condition

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

more detail on next page

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 ■