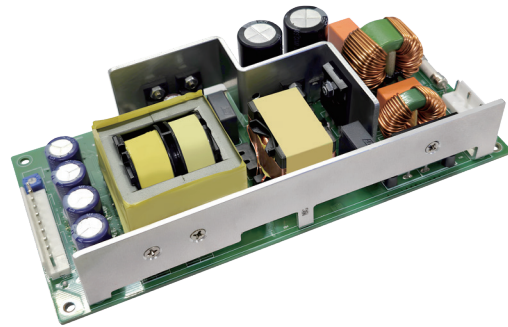


UxOHTP/F 300W Series

Industrial Power Supply

Peak Power

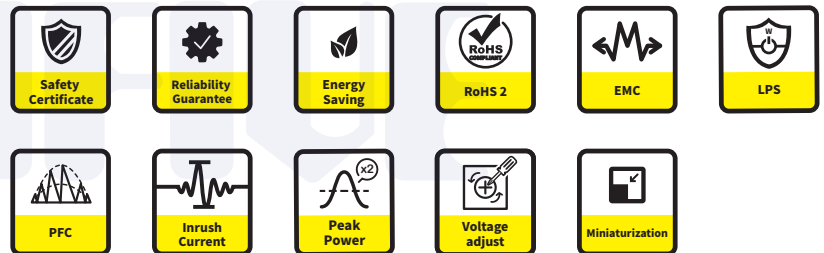
Compact 3.3" × 7.1"



▲ UxOHTP3300/UxOHTF3300 series



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



Model Name Definition

U x O H T P / F 3 3 0 0 - _ _ _

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① UNIFIVE Product
- ② x : Depend on Safety Standard
 - N 62368-1/60065-1/60950-1
- ③ Serial Name
- ④ P: Peak Power
F: Peak Power and Remote Control
- ⑤ Input Voltage
- ⑥ Output Power Rating
- ⑦ Output Voltage
- ⑧ Output Current

Product Highlights

- Stability
- Energy and High Efficiency
- PCB Size 3.3"x 7.1"(inch)
- Appendix 8 of PSE :
comply with dusty requirement
- SEMI F47
Valid if VAC.input > 200V
- 5 years 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
- Over Temperature Protection

Safety Standard

- 62368-1
- PSE 別表第八
100V 基準に準拠

Efficiency

- up to 93.5%

Emissions

- FCC
 - FCC Part15-B
- CE
 - EN(CISPR)55032-B
- BS EN 55032

Immunity

- EN55035
- BS EN 55035

The above specifications include the following test standards

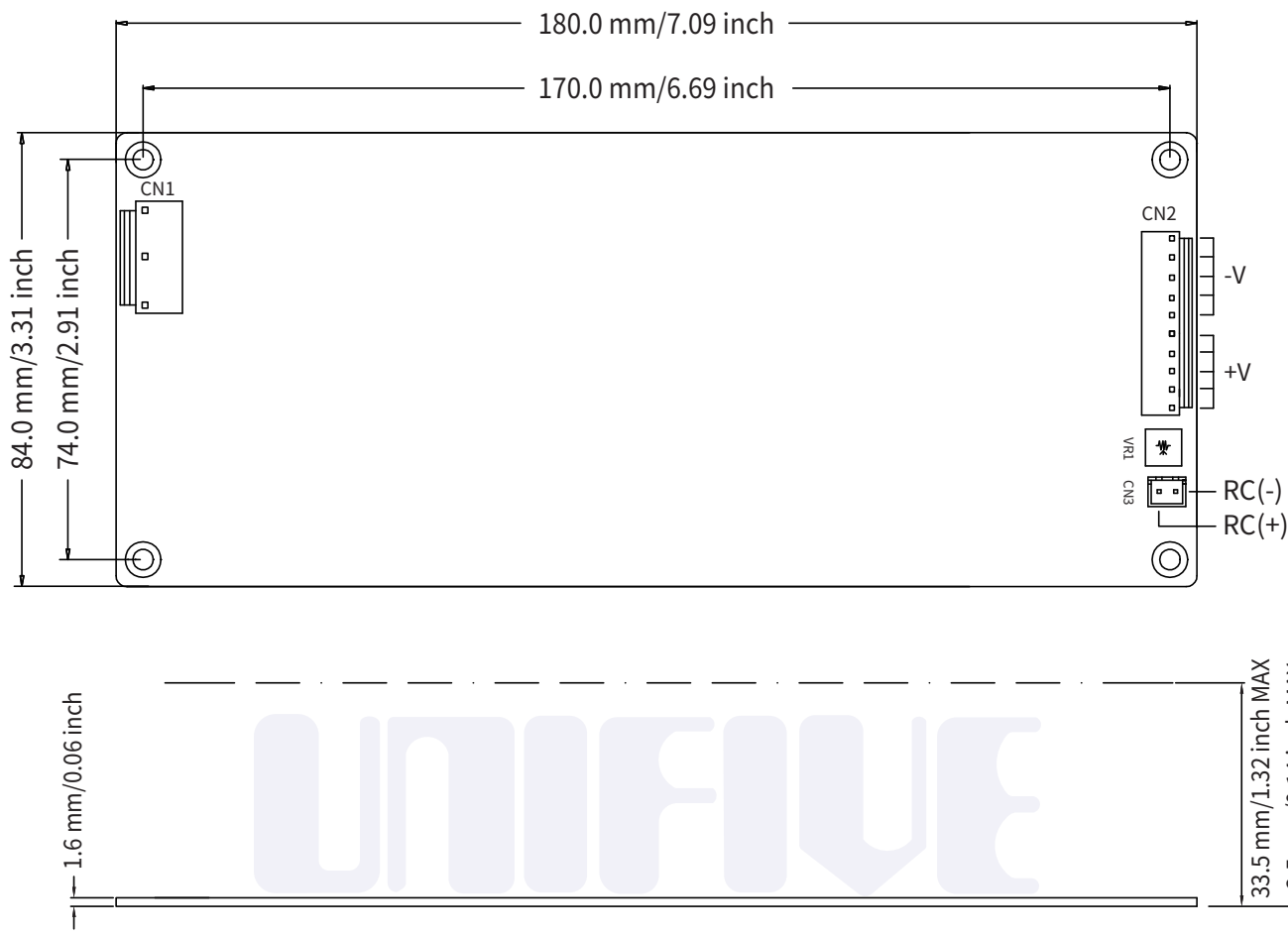
- ✓ EN61000-4-2
- ✓ EN61000-4-3
- ✓ EN61000-4-4
- ✓ EN61000-4-5
- ✓ EN61000-4-6
- ✓ EN61000-4-8
- ✓ EN61000-4-11

more detail on next page

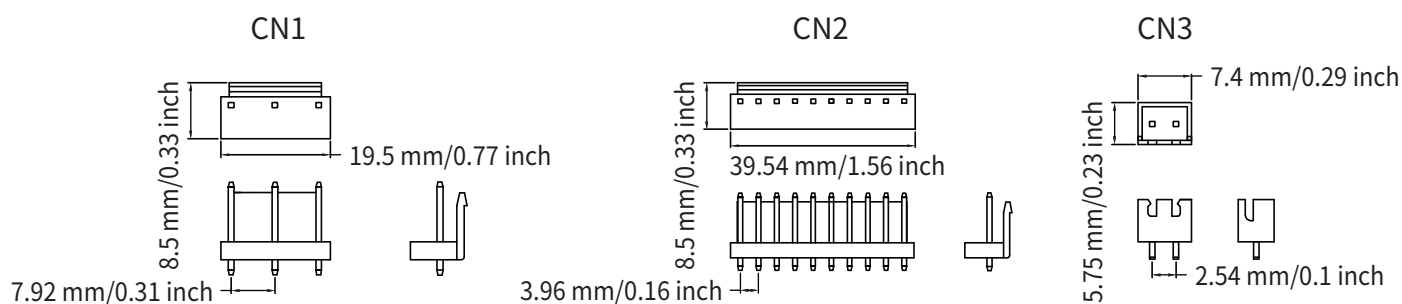
UxOHTF300 Series			
Model		UxOHTF3300-240125S	
Output Wattage Max (Peak Wattage Max) (W) ※1		300W (600W)	
DC Output	Convection	24.0V/12.5A(25.0A)	
Specification			
Input	Voltage (V _{ac})		100/240 (85-264)
	Current (A)	ACIN 100V	4.2
		ACIN 230V	1.7
	Frequency (Hz)		50/60 (45-66)
	Efficiency (%)	ACIN 100V	91.5
		ACIN 230V	93.5
	Power Factor	ACIN 100V	0.99
		ACIN 230V	0.98
	Inrush Current (A)	ACIN 100V	30 Typ. (I _o =100%) T _a =25°C at cold start
ACIN 230V		60 Typ. (I _o =100%) T _a =25°C at cold start	
Leakage Current (mA _{max})		0.5mA r.m.s or 0.707mA peak(ES1) (ACIN 100V/240V 60Hz, I _o =100%, According to IEC62368 Class I)	
Output	Voltage (V)		24.0
	Current (A)		12.5
	Line Regulation (mV _{max})		100
	Load Regulation (mV _{max})		200
	Ripple (mVp-p) (0°C to +50°C) ※2		200
	Ripple (mVp-p) (-10°C to 0°C) ※2		350
	Noise (mVp-p) (0°C to +50°C) ※2		370
	Noise (mVp-p) (-10°C to 0°C) ※2		420
	Temperature Regulation (mV _{max})	0 to +50°C	240
		-10 to +50°C	290
	Drift (mV _{max}) ※3		96
	Start Up Time (mS)		600 Typ. (ACIN 100V, I _o =100%) T _a =25°C
	Hold Up Time (mS)		20 Typ. (ACIN 100V, I _o =100%) T _a =25°C
	Output Voltage Setting (V)		24.0 to 24.96
	Output Voltage Variable Range (V)		22.8 to 26.4
	Over Current Protection		Over 106% of Peak Current; Auto-Recovery
	Over Voltage Protection (V) (Latch Off)		27.6 to 33.6
	Short Protection		Auto recovery
	Remote On /Off		Model F support remote function
Isolation	Input-Output • RC		AC4,000V 1 minute, Cutoff Current = 10mA (at 25°C)
	Input-FG		AC2,000V 1 minute, Cutoff Current = 10mA (at 25°C)
	Output • RC-FG		DC500V 1 minute, Cutoff Current = 25mA (at 25°C)
Operating Temperature / Humidity / Altitude		-10°C~70°C / 20%RH~90%RH / 5000m max / Non condensing	
Storage Temperature / Humidity		-20°C~75°C / 20%RH~90%RH / Non condensing	
Vibration		10 - 55Hz, 19.6m/s ² (2G), 3 minutes period, 60 minutes each along X, Y and Z axis	
Impact		JIS-C-0041 half sin wave, 300 m/s ² , 6ms, 3 times each X, Y, and Z axis (196.1m/s ² (20G), 11ms, Once Each X, Y and Z Axis)	
Safety		IEC/EN 62368, UL 62368	
EMC		FCC-B, VCCI-B, CISPR32-B, EN55011-B, EN55032-B	
Harmonic Attenuator		Complies with IEC61000-3-2	
Size		180(L)×84(W)×37.0(H)mm	
Cooling Method		Convection / Forced Air	
※ 1 Power supply can be operated in condition of peak load 600W for 10 seconds and the duty is less than 0.4. (Please refer to User Manual)			
※ 2 Parallel a 22uF Low ESR Aluminum Electrolytic Capacitor and 0.1uF ceramics capacitor at the test point. The position of test point is 150mm from output terminal to system load. The bandwidth of oscilloscope is 20MHz. (Please refer to User Manual)			
※ 3 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25C, with the input voltage held constant at the rated input / output.			
※ When the specification is exceeded, it may cause a possibility that the components be damaged.			
※ Sound noise may be generated by power supply in case of pulse load.			
※ When the output load is less than 10% of the rated current, the corresponding actions reduce energy loss, output ripples may occur in the pulse waves.			
※ If you have question, please contact us.			

Mechanical Spec

TOLERANCE: ± 0.5 mm
Unit: mm/inch



Mounting Holes: 4- $\varnothing 3.5$ mm / 0.14 inch



CN1

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

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

CN2

PIN NUMBER	OUTPUT
1,2,3,4,5	-V
6,7,8,9,10	+V

CN2 : OUTPUT CONNECT
 Specifications are equivalent to models of JST B10P-VH

CN3

PIN NUMBER	REMOTE
1	RC(+)
2	RC(-)

CN3 : REMOTE CONNECT
 Specifications are equivalent to models of JST B2B-XH-A

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