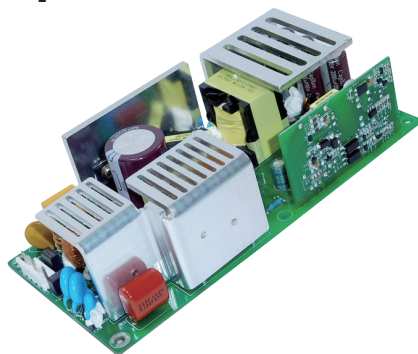


UOHC 240W Series

Industrial Power Supply

Peak Power

Compact 3.3" × 7"



▲ UOHC3240 Series



▲ UOHC3240 Series
with chassis and cover

CB CE UK CA FC

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



Model Name Definition

U O H C 3 2 4 0 - - - - -

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① UNIFIVE Product
- ② Serial Name
- ③ Serial Name
- ④ Serial Name
- ⑤ Serial Name
- ⑥ Output Power Rating
- ⑦ Output Voltage
- ⑧ Output Current
- ⑨ Optional Items
 - N Typical Type
 - R Remote Control and Increase Output (5V, 1A)
 - S Increase Output (5V, 1A)
 - CN Typical Type with Chassis
 - CR Remote Control and Increase Output (5V, 1A) with Chassis
 - CS Increase Output (5V, 1A) with Chassis

Product Highlights

- Stability
- Conditional Peak Output Up to 480W
- Meet Complies with IEC61000-3-2
- Correspond to OVC III
- SEMI F47
Valid if $V_{AC, input} > 200V$
- Energy and High Efficiency
- Power Factor Correction
- Inrush Current Limit
- Operating Altitude Up to 5,000m
- Add Internal Standby Power (5V)
Supplied Power for Remote Control
- JST Connector* or the same level
substitute as JST Connector
*Please contact sales if demanding JST connector.
- Appendix 8 of PSE :
Comply with Dusty Requirement.
- 5 Years Warranty
(Please Refer To User Manual)

Protection

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

Safety Standard

- 62368-1
- 60601-1
- 61558-1
- 60335-1
- PSE 別表第八
100V 基準に準拠

Efficiency

- up to 89%

Emissions

- FCC
 - FCC Part15-B
 - FCC Part18-B
- CE
 - EN(CISPR)55032-B
 - EN(CISPR)55011-B
 - EN(CISPR)55014-B
- VCCI-B

*Power supply mounted
in user's metal chassis.

Immunity

- EN55035
- EN60601-1-2
- EN55014-2

The above specifications include
the following test standards

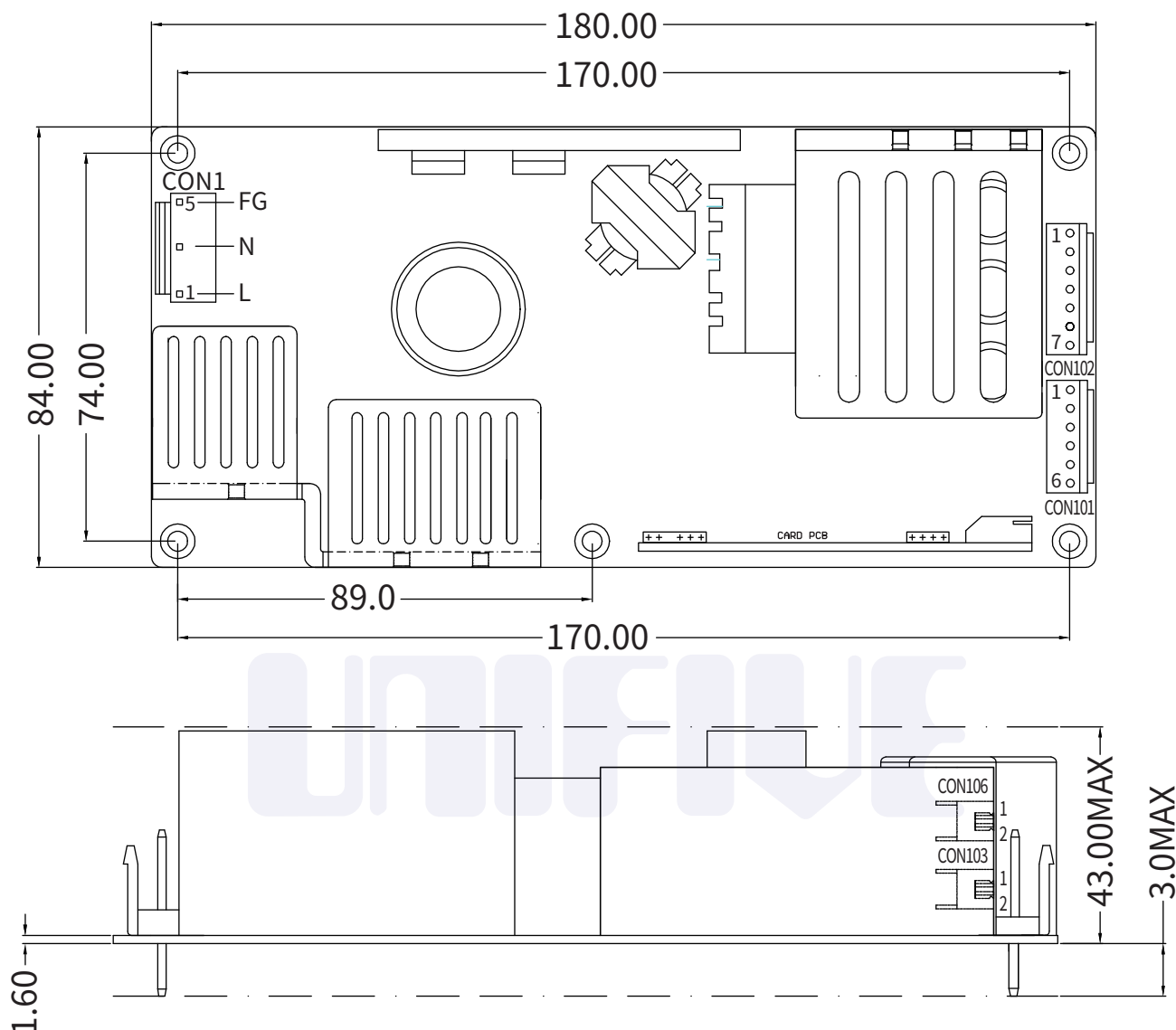
- ✓ EN61000-4-2
- ✓ EN61000-4-3
- ✓ EN61000-4-4
- ✓ EN61000-4-5
- ✓ EN61000-4-6
- ✓ EN61000-4-8
- ✓ EN61000-4-11

more detail on next page

UOHC 240W Series												
Model		UOHC3240-2410		UOHC3240-3606		UOHC3240-4805		5V				
Output		Output 1						Output 2 (Option)				
Output Wattage Max (Peak Wattage Max) (W) ※1		240W (480W)						5W				
DC Output		Convection		24.0V/10.0A (20.0A)		36.0V / 6.67A (13.33A)		48.0V / 5.0A (10.0A)		5.0V / 1.0A		
DC Output		Forced Air ※2		24.0V/12.5A (20.0A)		36.0V / 8.33A (13.33A)		48.0V / 6.25A (10.0A)		5.0V / 1.0A		
Specifications												
Input	Voltage (V _{AC})		85~264 1φ									
	Current (A)	ACIN 100V		3.6A Typical (I _o =100%)								
		ACIN 200V		1.8A Typical (I _o =100%)								
	Frequency (Hz)		50/60 (47-63)									
	Efficiency (%)	ACIN 100V		88.0 Typical								
		ACIN 200V		90.0 Typical								
	Power Factor (%)	ACIN 100V		0.99 Typical								
		ACIN 200V		0.95 Typical								
	Inrush Current (A)	ACIN 100V		15.0A/30.0A Typ.(Full Load, Cold Start, T _a =25°C)/Restart After More than 3sec.								
ACIN 200V		30.0A/30.0A Typ.(Full Load, cold Start, T _a =25°C)/Restart After More than 3sec.										
Leakage Current (mA _{max})			0.4/0.75 Max. (ACIN 100V/200V 60Hz, I _o =100%, According to IEC60950-1, IEC62368-1 and DEN-AN)									
Output	Voltage (V)		24.0		36.0		48.0		5.0			
	Current (A)		10.0		6.67		5.0		1.0			
	Line Regulation (mV _{max})		96		144		192		40			
	Load Regulation (mV _{max})		150		240		240		40			
	Ripple (mVp-p) (0°C to +50°C) ※3		120		150		150		50			
	Ripple (mVp-p) (-10°C to 0°C) ※3		160		200		200		90			
	Noise (mVp-p) (0°C to +50°C) ※3		150		250		250		100			
	Noise (mVp-p) (-10°C to 0°C) ※3		180		300		300		140			
	Temperature Regulation (mV _{max})	0 to +50°C		240		360		480		-		
		-10 to +50°C		290		450		600		-		
	Drift (mV _{max}) ※4		96		144		192		-			
	Start Up Time (mS)			500 Typical (ACIN 100V, Full Load), at 25°C								
	Hold Up Time (mS)			20 Typical (ACIN 100V, Full Load), at 25°C								
	Output Voltage Setting (V)			24.0 to 24.96		36.0 to 37.44		48.0 to 49.92		4.75 to 5.25		
	Output Voltage Variable Range (V)			21.6 to 27.5		32.4 to 39.6		39.6 to 52.8		-		
	Over Current Protection			Over 101% of Peak Current; Latch Off								
	Over Voltage Protection (V) (Latch Off)			27.6 to 33.6		41.4 to 50.4		55.2 to 63.0		1.5A Min. ; Auto-Recovery		
	Short Protection			Latch Off								
	Remote On /Off ※5			Model -R 、 -CR 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			UL 60950, EN 60950, UL 62368, EN 62368, complies with DEN-AN, OVC III standard									
EMC			FCC Part15-B, FCC Part18-B, EN(CISPR)55032-B, EN(CISPR)55011-B, EN(CISPR)55014-B, VCCI-B									
Harmonic Attenuator			Complies with IEC61000-3-2									
Size			no Chassis : 180(L)×84(W)×46(H)mm / with chassis and cover : 212(L)×98(W)×59(H)mm									
Cooling Method			Convection / Forced Air									
※1 Power supply can be operated in condition of peak load 480W for 10 seconds and the duty is less than 0.5. (Please refer to User Manual)												
※2 Condition for forced air is no less than 15CFM.												
※3 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)												
※4 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.												
※5 You can use the 5V output voltage (built-in) for control without adding additional power supply.												
※ 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

UOHC3240-2410



Mounting Holes : 5-Ø3.50

TOLERANCE: ±0.5
Unit:mm

CON1

PIN NUMBER	INPUT
1	AC(L)
2	
3	AC(N)
4	
5	FG
CON1 : INPUT CONNECT Specifications are equivalent to models of JST 5P-VH-B	

CON103

PIN NUMBER	REMOTE
1	RC(+)
2	RC(-)
CON103: REMOTE CONNECT Specifications are equivalent to models of JST B2B-XH-A	

CON102

PIN NUMBER	OUTPUT
1-7	-V
CON102: OUTPUT CONNECT Specifications are equivalent to models of JST B7P-VH	

CON101

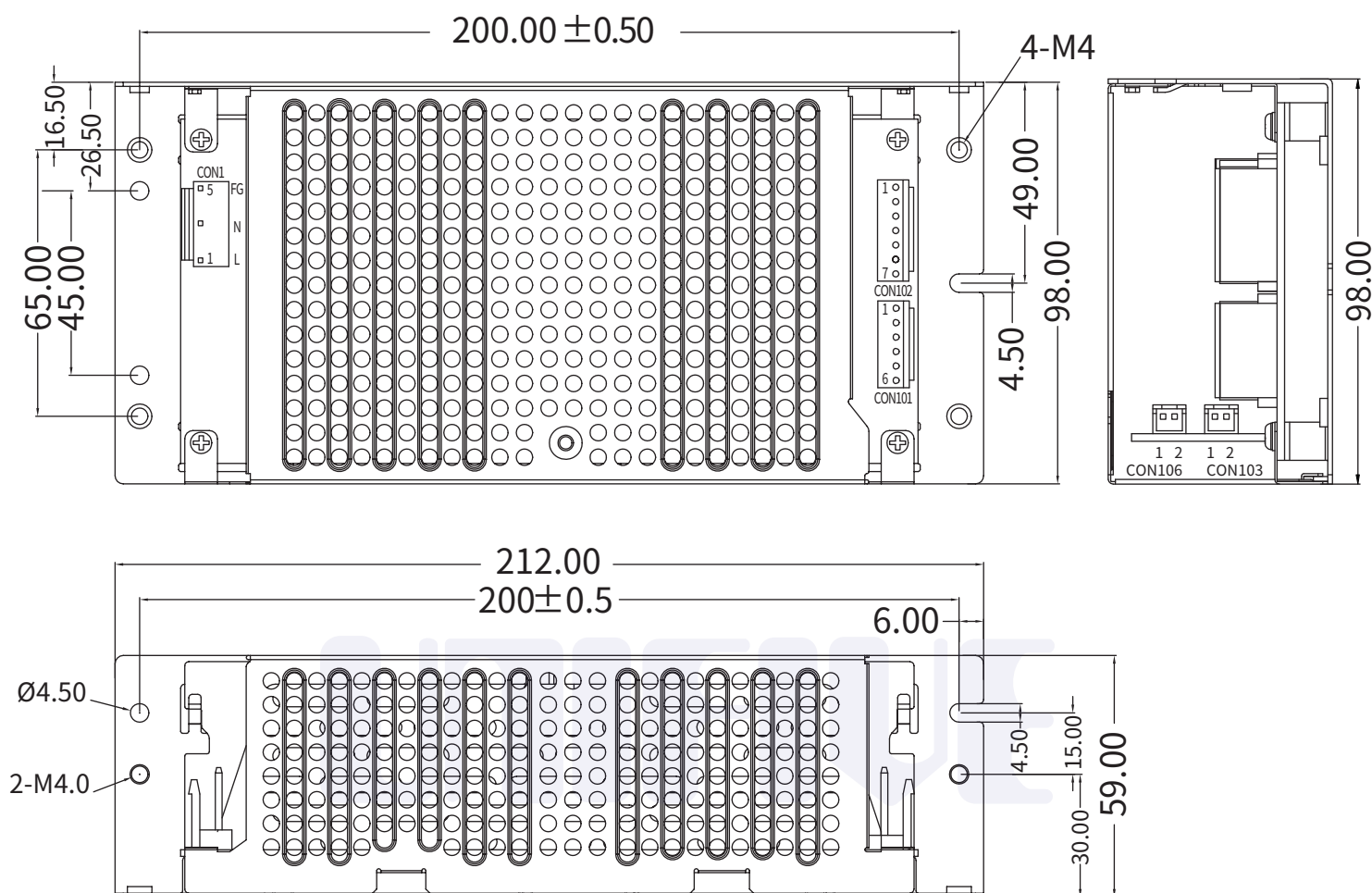
PIN NUMBER	OUTPUT
1-6	+V
CON101: OUTPUT CONNECT Specifications are equivalent to models of JST B6P-VH	

CON106

PIN NUMBER	OUTPUT
1	5V(+)
2	5V(-)
CON106: OUTPUT CONNECT Specifications are equivalent to models of JST B2B-XH-A	

Mechanical Spec

UOHC3240-2410-C_



TOLERANCE: ±0.5
Unit:mm

CON1		CON103		CON102		CON101		CON106					
PIN NUMBER	INPUT	PIN NUMBER	REMOTE	PIN NUMBER	OUTPUT	PIN NUMBER	OUTPUT	PIN NUMBER	OUTPUT				
1	AC(L)	1	RC(+)	1-7	-V	1-6	+V	1	5V(+)				
2		2	RC(-)	CON102: OUTPUT CONNECT Specifications are equivalent to models of JST B7P-VH		CON101: OUTPUT CONNECT Specifications are equivalent to models of JST B6P-VH		2	5V(-)				
3	AC(N)	CON103: REMOTE CONNECT Specifications are equivalent to models of JST B2B-XH-A						CON106: OUTPUT CONNECT Specifications are equivalent to models of JST B2B-XH-A					
4													
5	FG												
CON1 : INPUT CONNECT Specifications are equivalent to models of JST 5P-VH-B													

Please refer to catalog and User Manual before use.

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