

Features:

- ◆ High Density, High Efficiency >92%
- ◆ Mini. Size, Low Profile 11" x 4.5" x 1.7"
- ◆ Low Leakage Current < 750uA @ 230Vac
- ◆ Safety Compliant With UL62368-1
- ◆ Remote ON-OFF,OCP , OVP , OTP Protection
- ◆ 600W Convection Cooled & 900W with 20CFM

Application:

- Telecommunication
- Industrial Equipment
- Gaming Machine

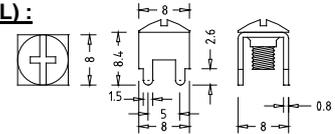
Safety Certified:



INPUT SPECIFICATIONS	
INPUT VOLTAGE	Universal Input : 90 ~ 264Vac
INPUT FREQUENCY	47 ~ 63Hz
INPUT CURRENT	10A/115Vac , 5.0A/230Vac
INRUSH CURRENT (Typ.)	100A/230Vac half cycle cold start
POWER FACTOR (Typ.)	PF > 0.95 / full load
EFFICIENCY (Typ.)	92%
LEAKAGE CURRENT	Leakage current < 750uA/230Vac

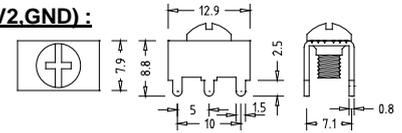
Input Connector (FG,N,L) :

KANG YANG-PCB-11(632)F or EQU
Screw: 6-32 UNC



Output Connector (V1,V2,GND) :

KANG YANG-PCB-20(632)F or EQU
Screw: 6-32 UNC



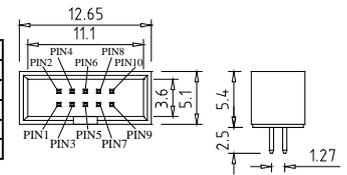
OUTPUT SPECIFICATIONS		
VOLTAGE	V1 = +30V	V2 = +12V
RATED LOAD(Convection)	0 ~ 16.67A	0 ~ 20A
Max. LOAD(W/20CFM Airflow or Fan)	22.00A	30A
RIPPLE & NOISE (note 1)	300mV	120mv
REGULATION	± 3%	± 3%
Max. POWER (fan less/force air)	600W / 900W	

Connector (CN2) :

Sunny Young-R6710-010GS-N or EQU
Mates with (Sunny Young-R6920-10P) or EQU

Pin	Signal	Pin	Signal
1	PWOK_V2	2	PWOK_V1
3	PS_ON	4	AC_FAIL
5	GND	6	V2S+
7	V2S-	8	GND
9	V1S+	10	V1S-

V1=30V , V2=12V

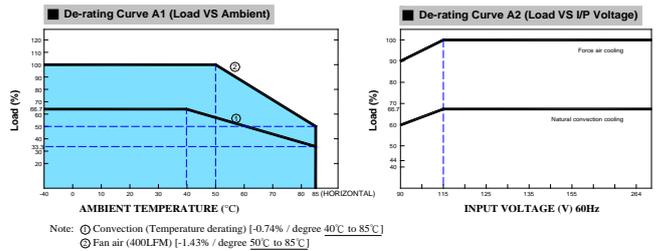


PROTECTION SPECIFICATIONS	
OCP: (Over Load Protection)	130 ~ 200%
OVP: (Over Voltage Protection)	110 ~ 130%
OTP: (Over Temp. Protection)	HS1 ≥ 115°C, Shut down O/P voltage

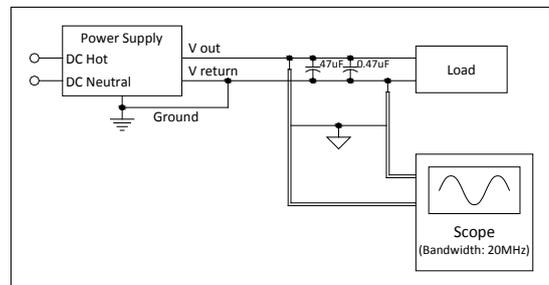
GENERAL SPECIFICATIONS	
HOLD UP TIME (Typ.)	≥ 16mS @ 600W
REMOTE CONTROL(ON-OFF)	ON @ High or Open, Off @ Low or Short
DC OK SIGNAL(P-OK)	High : 2.4 ~ 5.25V , Low : 0 ~ 0.4V
5Vsb & 12Vaux For External Fan	+5Vsb / 2A (Optional)
COOLING	Convection/600W, 20CFM for 900W
PARALLEL OPERATION(N+1=N, N≤4)	Optional

SAFETY & ENVIRONMENTAL SPECIFICATIONS	
SAFETY APPROVALS REQUIRED	Meet UL , cUL , CE , FCC
SAFETY STANDARDS	UL 62368-1 , EN 62368-1
EMC EMISSION (note 2)	EN55032(CISPR22) & FCC Class B.
OPERATING AMBIENT TEMP.	-40 ~ +85°C

De-rating Curve



Ripple & Noise Voltage Test Circuit



Note 1: The ripple noise voltage of the output shall be measured at end of the output pins connector of the length 100 mm output wire cable. Ripple and noise are measured at the connectors with a 0.47uF ceramic capacitor and a 47uF electrolytic capacitor to simulate system loading. (Please reference Ripple & Noise Voltage Test Circuit).

Note 2: Suggested external input filter in order to meet class B in EN55032(CISPR22) and FCC Class B.

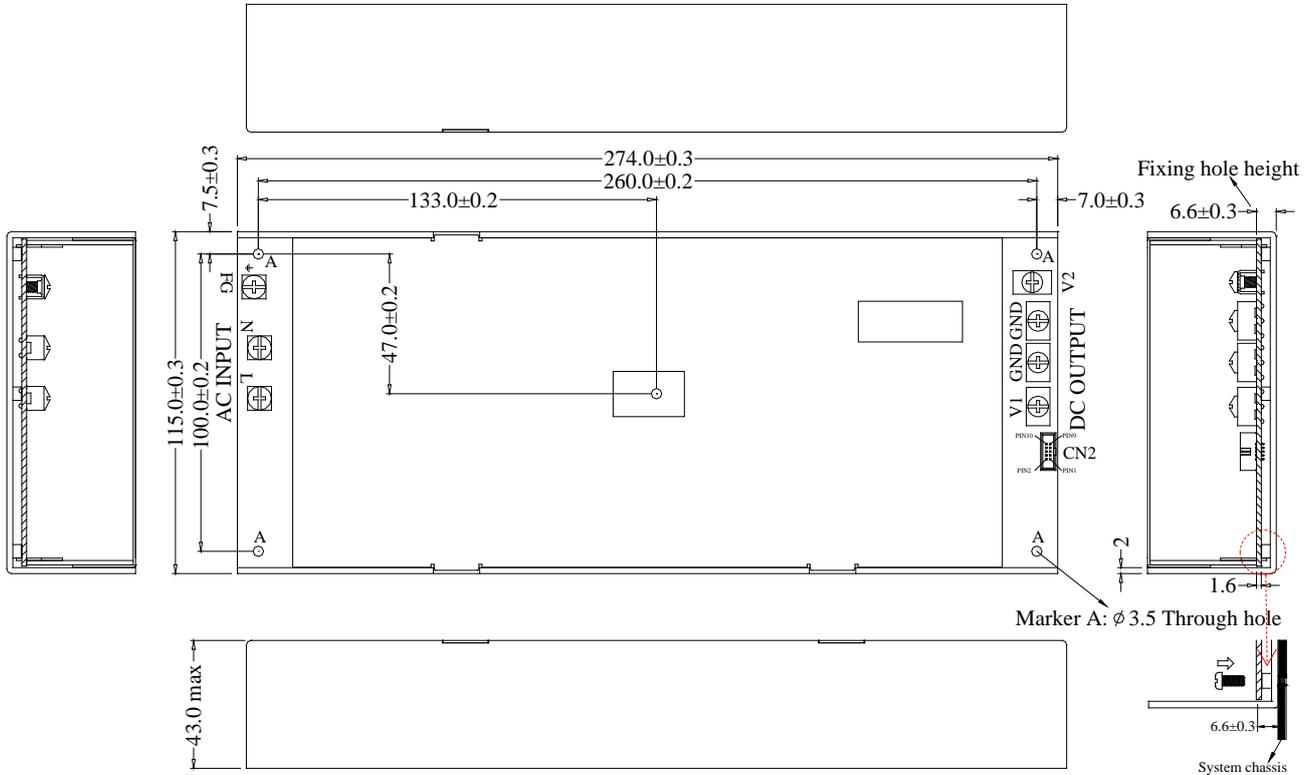
- a. Between system AC Inlet and power Vac-connect CN1 addition a 2~4 turns EMI common choke, that spec. is (L+N+FG) 3 wire together 2~4 turns insert with K5B RC 25x12x15-M clamp EMI core or equ.
- b. System with external EMI Filter on Vac input: Filter Type (15GEEG3E-R or equ)---Manufacture (Delta)

Mechanism of Fixing hole code : M → M50, M52**

Typical Mechanical Drawing :

WP222F12-3012ADJ(+30V)NFAA01M50 (Connector code→AA)

Fix hole: marker A are $\phi 3.5$ through holes, Case dimension (L*W*H): 274*115*43 mm



WP222F12-3012ADJ(+30V)NFAA01M52 (Connector code→AA)

Fix hole: marker A are M3 fixing NUT, Case dimension (L*W*H): 274*115*43 mm

