

WRB**X-O

50 Watt AC/DC Triple Output



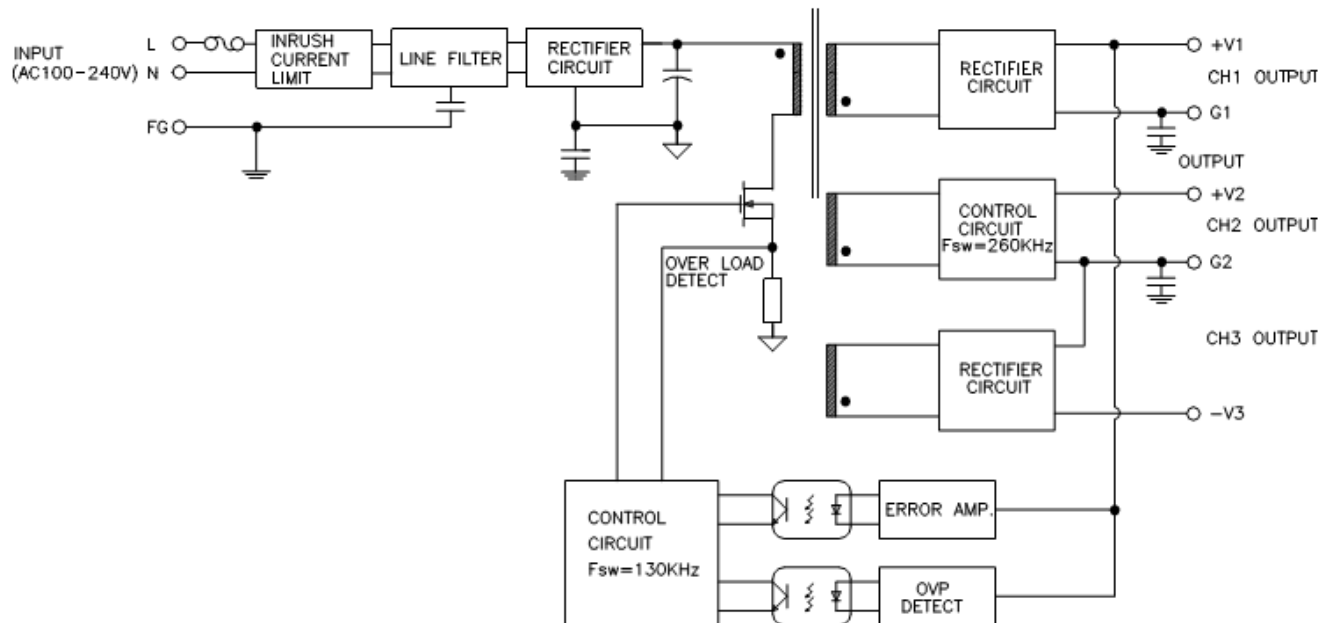
Universal Input
Compact design with Inrush current protection
Triple Output
-WRB01X-O: 5, 12, -12 VDC
-WRB04X-O: 5, 15, -15 VDC
2 year Warranty



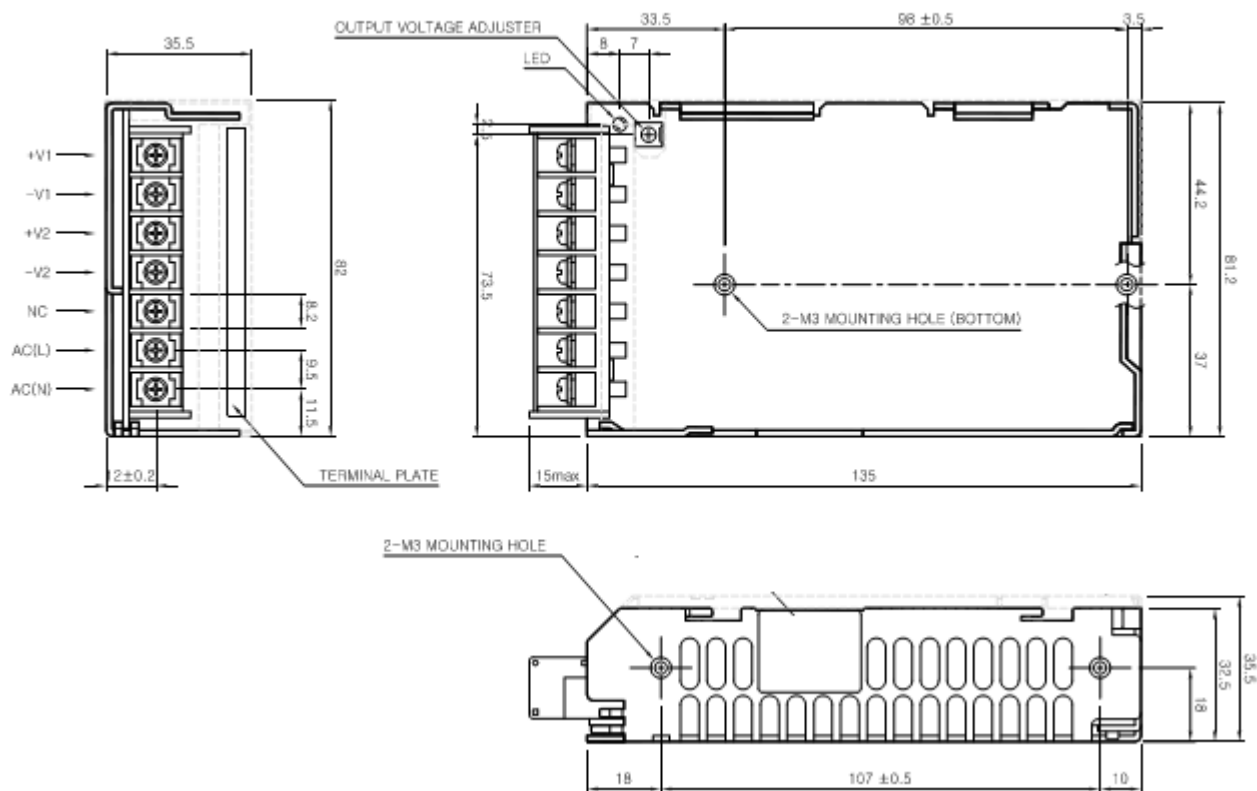
		UNIT						
INPUT	Voltage/Freq	V	AC100V - 240V (AC85V ~ 264V or DC125V~ 370V), 50 / 60Hz (47 ~ 440Hz) Universal Input voltage					
	Current Typ.	A	1.2 at 110V; .7 at 220V (I _o =100%)					
	Power Factor	-	--					
	Inrush Current	A	20A typ (AC IN 110V, I _o =100%), 40A typ (AC IN 220V, I _o =100%) at cold start					
	Leakage	mA	0.75					
		UNIT	WRB01X-O			WRB04X-O		
OUTPUT	Nominal Voltage	VDC	5	12	12	5	15	15
	Efficiency typ	%	75 typ			75 typ		
	Current	A	0.5~5	1.8	0.3	0.5~5	1.4	0.3
	Line Regulation	mV	50 max	120 max	120 max	50 max	150 max	150 max
	Load Regulation	mV	100 max	240 max	240 max	100 max	300 max	300 max
	Ripple	mVp-p	80 max	120 max	120 max	80 max	120 max	120 max
	Ripple Noise maximum	mVp-p	120 max	150 max	150max	120 max	150 max	150max
	Temperature Drift [0~+50C]	mV	75 max	180 max	180 max	75 max	225 max	225 max
	Rise Time	mS	1000 max [AC IN 110V I _o =100%]					
Hold up Time	mS	17 typ [AC IN 110V,I _o =100%]						

Protection	Over Voltage	Works at 115~140% of rating	
	Over Current	Works at 105% over rated current and recovers automatically	
Isolation	Input-Output	AC 3,000V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & Humidity)	
	Input-F.G	AC 2,000V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & Humidity)	
	Output-F.G	AC 500V 1 minute current 100mA, DC 500V 100MΩ (At room temperature & Humidity)	
Environment	Operating temp/hum	-10 ~ +70 , 20 ~ 90% RH(Non condensing)	
	Storage temp/hum	-20 ~ +75 , 20 ~ 90% RH(Non condensing)	
	Vibration	10 ~ 55Hz at 1G, 3 minutes period, 30 minutes along X, Y and Z axis	
	Impact	10G for 20ms once on each X, Y and Z axis	
Safety	CE CB	IEC 60950-1 Built to meet UL60950-1, EN60950-1	
	Line Con RF Voltage	EN55022-A	
Size	MM/G	82 x 35.5 x 135 (150)	360

BLOCK DIAGRAM



DIMENSIONAL DRAWING (mm)



Mark	Pin Connection	Function
L	AC L	SMPS AC Terminal (FUSE IN LINE)
N	AC N	SMPS AC Terminal
+V1	DC Output	DC (+) Terminal
G1	GND	DC (+V1) GND Terminal
+V2	DC Output	DC (+) Terminal
G2	GND	DC (+V2, -V3) GND Terminal
-V3	DC Output	DC (-) Terminal

DERATING CURVE AND RECCOMENDED MOUNTING DIAGRAM

