



ETA-USA

The Power Professionals

ZMB-SX-W5
65W

FEATURES:

- Meets Energy Star efficiency level V
- Short Circuit Protection
- Over-load Protection
- Over voltage protection
- 2 year warranty
- >85% efficiency at full load
- Universal input
- Medical 60601-1 3rd ed. MOPP and ITE approved
- High power density
- No load power consumption <0.2W at 230VAC (5V model <0.1W)
- Ultra low earth leakage current <189uA at 264VAC

MODEL/CHANNEL		Unit	ZMB65-05SX-W5	ZMB65-12SX-W5	ZMB65-15SX-W5	ZMB65-19SX-W5	ZMB65-20SX-W5	ZWB65-24SX-W5	ZMB65-48SX-W5
OUTPUT	Output Voltage	Vdc	5	12	15	19	20	24	28
	Output Current	A	8	5.41	4.33	3.42	3.25	2.7	2.32
	Ripple and Noise(max.) *3	mV	150	240	300	300	300	300	300
	Power	V	40	65					
	O/P Regulation	-	±3% of output						
	Hold-up time	mS	>10ms typical at 75% load @ 115VAC						
	Rise-up time	mS	>16ms typical at full load @ 115VAC						
MODEL/CHANNEL		Unit	ZMB65-48SX-W5			ZMB65-56SX-W5			
OUTPUT	Output Voltage	Vdc	48			56			
	Output Current	A	1.35			1.16			
	Ripple and Noise(max.) *3	mV	300			300			
	Power	V	65						
INPUT	Input Voltage	Vac	90-264VAC						
	Input Current	A	1A@ 115Vac;			0.6A@ 230Vac max.			
	Input Frequency	Hz	47-63Hz						
	Inrush Current *1	A	<65A peak@115VAC			<130A peak@23VAC			
	Efficiency (typical) *2	mA	>87% @ max load, 115/230VAC			5V model >85% at 115VAC fillz			
Protection	Over Voltage Protection	-	Shutdown and latch off, AC Recycle						
	Over Load Protection	-	110% to 170% max rating, Auto Recover						
	Short circuit protection	-	Auto Recover						
Environmental Agencies	Safety	-	ITE: UL 60950-1 EN60950-1 CB IEC 60950-1 CSA 22.2 No.60950-1 Medical: UL 60601-1 3rd ed CSA C22.2 No. 60601-1 3rd ed EN60601-1 3rd ed IEC 60601-1 3 rd ed						
	EMC Standards	-	ITE: CISPR 22 Class B, FCC PRT 15 Class B,EN55022 Class B, CE Medical: EN60601-1-2 , FCC Part 18 Class B, EN55011 Class B , CE						
	MTBF	-	>100,000 hours at full load and 25°C ambient temperature						
	Environment	Operating Temperature	-	-20°C to +70°C (derate linearly by 2.5% per °C from 41to 70°C)					
Operating Humidity		-	0%~90% non-condensing						
Storage Temperature		-	-20 to +85°C						
Dimension	Size(WxHxD) / Weight	mm/g	L76.2xW50.8xH28.7mm/120g						



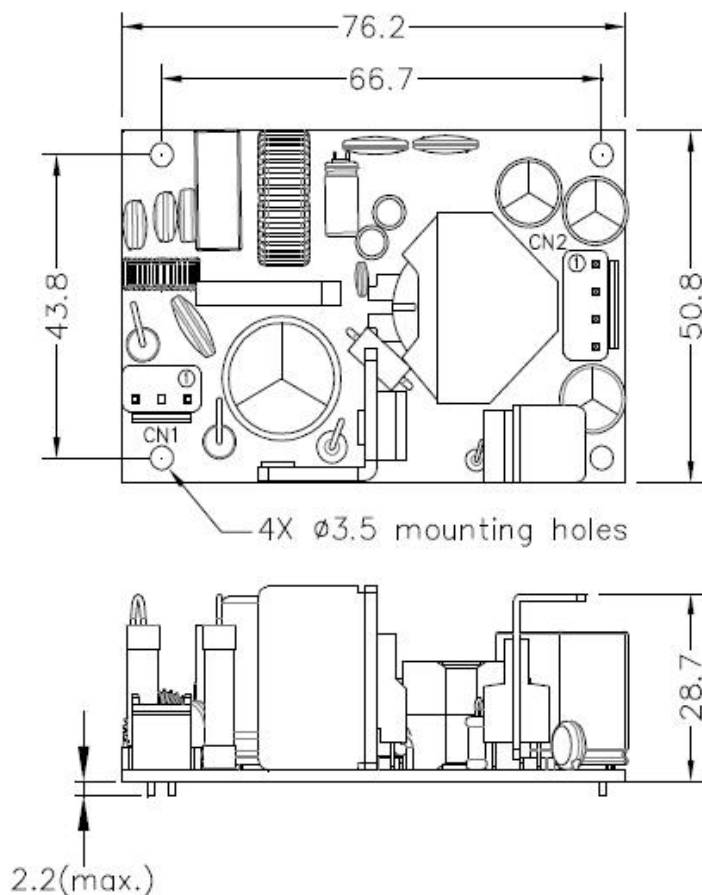
ETA-USA

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Dimension Diagram (mm)

200W



MATCHING CONNECTORS

CN1: Input Connector

JST B3P-VH-B pitch: 7.92mm or equivalent, mates with JST VHR-3N or equivalent

Pin #	Signal
1	AC Line
2	AC Neutral

CN2: Output Connector

JST B4P-VH-B pitch: 3.96mm or equivalent, mates with JST VHR-4N or equivalent

Pin #	Signal
1	-Vo
2	-Vo
3	+Vo
4	+Vo

