



## ZMB65- SX-W6

## 65 Watt AC/DC Medical Power Supply



### FEATURES

- ☒ Medical & ITE Approved
- ☒ Efficiency : > 89% typical @full load, 115/230VAC
- ☒ leakage current < 100uA @264VA
- ☒ No Load Consumption <75mW
- ☒ Medical Body Floating ( BF ) rated, Class I Power Supply
- ☒ Medical applications Protection: Means of patient protection ( MOPP ) Isolation Voltage 5,656 VDC
- ☒ Altitude during operation:
  - ☒ ITE up to 5000m
  - ☒ Medical Below 3000m
- ☒ 3 year warranty

		UNIT		
<b>INPUT</b>	Voltage/Freq	V	90 - 264VAC	47 / 63Hz
	Current (rms).	A	2A @115VAC; 1A @230VAC max	
	Range	VAC	90 - 264VAC	
	Inrush Current	A	<45A peak @115VAC; <9A peak @230VAC cold start @25 C	
	Leakage Current	uA	100uA @264 VAC	

			ZMB65-05SX-W6	ZMB65-12SX-W6	ZMB65-15SX-W6	ZMB65-19SX-W6
<b>OUTPUT</b>	Nominal Voltage	VDC	5	12	15	19
	Efficiency typ	%	86%	89%	89%	89%
	Current	A	8.00	5.42	4.34	3.43
	Regulation		+/-5%	+/-3%	+/-3%	+/-3%
	Ripple Noise mV	Full load <30%load	100 200	120 200	120 300	120 300
	Power	W	65W			
	Holdup-Time	mS	> 10ms typical @full load, 115VA			

			ZMB65-24SX-W6	ZMB65-28SX-W6	ZMB65-48SX-W6	ZMB65-54SX-W6
<b>OUTPUT</b>	Nominal Voltage	VDC	24	28	48	54
	Efficiency typ	%	89%	89%	89%	89%
	Current	A	2.71	2.33	1.36	1.21
	Regulation		+/-3%	+/-3%	+/-2%	+/-2%
	Ripple Noise mV	Full load <30%Load	200 300	200 350	200 480	200 480
	Power	W	65W			
	Holdup-Time	mS	> 10ms typical @full load, 115VAC			





<b>PROTECTION</b>	<b>Over Voltage</b>	Latching type, AC Recycle
	<b>Over Load Protection</b>	110% to 180% maximum rating, Auto-recovery
	<b>MTBF</b>	>150,000 hrs. @ full load and 25C ambient temp. per
<b>SAFETY</b>	<b>Standards</b>	UL62368-1, UL60601-1 3.1 edition TUV EN62368-1, CB IEC 62368-1, TUV EN60950-1, IEC EN60601-1 3.1rd Edition, CB IEC 60950-1, CB IEC 62368-1
	<b>EMC STANDARDS</b>	IEC60601-1-2 Ed4:2014, EN60601-1-2 Ed4:2015, EN55024, EN55011 Class B, EN55032 Class B, FCC Part 15 Class B, FCC Part 18 Class B, CE
<b>ENVIRONMENT</b>	<b>Operating temp/humid</b>	-20 ~ +70°C, 10 ~ 90% RH(Non condensing) ( Derate linearly 2.5% per C from 51~70C, Derate linearly 1.0% per C from 0 ~-20C)
	<b>Storage temp/humid</b>	-20 ~ +85°C,
<b>SIZE</b>	<b>MM/G</b>	101.6 X 50.8 X 27.5 mm (4X2X 1.08") / 0.136kgs

- Ripple and noise are measured at oscilloscope 20MHz bandwidth by a 47uF electrolytic capacitor and a 0.1uF ceramic capacitor in parallel at output connector.

## DIMENSIONAL DRAWING

### CN1: Input Connector

JST B3P-VH-B pitch: 3.96mm or equivalent, mates with JST VHR-3N or equivalent

Pin #	Signal
1	AC Neutral
2	AC Line

### CN2: Main Output Connector

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

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

### CN3: Remote Sense Connector

JST B2B-XH-A pitch: 2.5mm or equivalent, mates with JST XHP-2 or equivalent

Pin #	Signal
1	+Vo Sense +
2	+Vo Sense -

