

ZWS75B/CO2

SPECIFICATIONS

A244-01-01/CO2-B

ITEMS		MODEL	ZWS75B -3/CO2	ZWS75B -5/CO2	ZWS75B -12/CO2	ZWS75B -15/CO2	ZWS75B -24/CO2	ZWS75B -48/CO2	
1	Nominal Output Voltage	V	3.3	5	12	15	24	48	
2	Maximum Output Current	A	15	15	6.3	5.0	3.2	1.6	
3	Maximum Output Power	W	49.5	75.0	75.6	75.0	76.8	76.8	
4	Efficiency (Typ.) (*1)	100VAC	%	80	82	84	85	86	87
		200VAC	%	83	85	86	87	88	89
5	Input Voltage Range (*2)	-	85 - 265VAC (47 - 63Hz) or 120 - 370VDC						
6	Input Current (Typ.) (*1)	A	1.2/0.7	1.7/1.0					
7	Inrush Current (Typ.) (*1)(*3)	-	14A at 100VAC, 28A at 200VAC, Ta=25°C, Cold Start						
8	Output Voltage Range	V	2.97 - 3.63	4.5 - 5.5	10.8 - 13.2	13.5 - 16.5	21.6 - 26.4	39.5 - 52.8	
9	Maximum Ripple & Noise (*4)(*5)	0≤Ta≤70°C	mV	120	120	150	150	150	200
		-10≤Ta<0°C	mV	160	160	180	180	180	240
10	Maximum Line Regulation (*4)(*6)	mV	20	20	48	60	96	192	
11	Maximum Load Regulation (*4)(*7)	mV	40	40	96	120	150	240	
12	Temperature Coefficient (*4)	-	Less than 0.02% / °C						
13	Over Current Protection (*8)	A	15.7 -	15.7 -	6.61 -	5.25 -	3.36 -	1.68 -	
14	Over Voltage Protection (*9)	V	3.79 - 4.95	5.75 - 7.0	13.8 - 16.2	17.3 - 20.3	27.6 - 32.4	55.2 - 64.8	
15	Hold-up Time (Typ.) (*1)	-	15ms(Typ) at 100% Load / 20ms(Typ) at 70% Load						
16	Leakage Current (*10)	-	Less than 0.5mA. 0.2mA(Typ) at 100VAC / 0.4mA(Typ) at 230VAC						
17	Remote Control	-	-						
18	Parallel Operation	-	-						
19	Series Operation	-	Possible						
20	Operating Temperature (*11)	-	Convection : -10 to +70°C (-10 to +50°C:100%, +60°C:80%, +70°C:60%)						
21	Operating Humidity	-	30 to 90%RH (No Condensing)						
22	Storage Temperature	-	-30 to +75°C						
23	Storage Humidity	-	10 to 90%RH (No Condensing)						
24	Cooling	-	Convection Cooling						
25	Withstand Voltage	-	Input - FG : 2kVAC (10mA), Input - Output : 3kVAC (10mA) Output - FG : 500VAC (20mA) for 1min						
26	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output - FG : 500VDC						
27	Vibration	-	At no operating, 10 to 55Hz (Sweep for 1min) 19.6m/s ² Constant, X,Y,Z 1hour each.						
28	Shock	-	Less than 196.1m/s ²						
29	Safety	-	Approved by UL62368-1, CSA62368-1, EN62368-1, UL60950-1, CSA60950-1, EN60950-1 (Expire date of 60950-1 : 20/12/2020), EN50178 (OV II) Designed to meet DENAN at 100VAC Only.						
30	Conducted Emission	-	Designed to meet EN55011/EN55032-B, FCC-B, VCCI-B						
31	Radiated Emission	-	Designed to meet EN55011/EN55032-B, FCC-B, VCCI-B						
32	Immunity	-	Designed to meet IEC61000-6-2 IEC61000-4-2, -3, -4, -5, -6, -8, -11						
33	Weight (Typ.)	g	230						
34	Size (W x H x D)	mm	50 x 33 x 150 (Refer to Outline Drawing)						

*Read instruction manual carefully, before using the power supply unit.

=NOTES=

- *1. At 100VAC/200VAC, Ta=25°C, nominal output voltage and maximum output power.
- *2. For cases where conformance to various safety specs (UL, CSA, EN) are required, to be described as 100 - 240VAC (50-60Hz).
- *3. Not applicable for inrush current to a noise filter for less than 0.2ms.
- *4. Please refer to Fig. A for measurement of output voltage, line & load regulation and ripple voltage.
- *5. For start up at low ambient temperature and low input voltage, output ripple noise might not meet specification. However, specification can be met after one second.
- *6. 85 - 265VAC, constant load.
- *7. No load-Full load, constant input voltage.
- *8. Hiccup with automatic recovery. Avoid to operate at over load or short circuit condition for more than 30seconds.
- *9. OVP circuit shut down the output, manual reset (Re power on) to get output voltage.
- *10. Measured by the each measuring method of UL, CSA, EN and DENAN (at 60Hz), Ta=25°C.
- *11. Output Derating
 - Derating at standard mounting. Refer to output derating curve (A244-01-02 _).
 - About a force air cooling, refer to output derating curve (A244-01-03 _).
 - Load (%) is percent of maximum output power or maximum output current, whichever is greater.

