

VS50E/PSE

SPECIFICATIONS

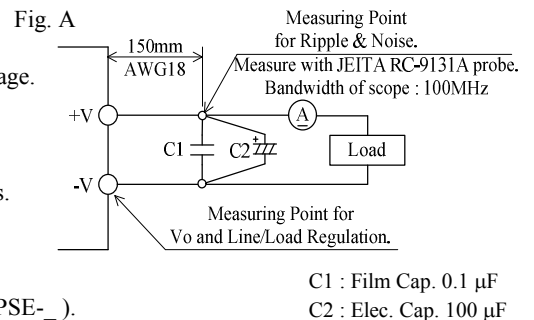
A239-01-01/PSE-B

ITEMS		MODEL	VS50E-12/PSE	VS50E-24/PSE
1	Nominal Output Voltage	V	12	24
2	Maximum Output Current	A	4.3	2.5
3	Maximum Output Power	W	51.6	60.0
4	Efficiency (Typ) (*1)	%	85	85
5	Input Voltage Range	-	90 - 110VAC (47 - 63Hz)	
6	Input Current (Typ) (*1)	A	1.1	1.3
7	Inrush Current (Typ) (*1)	-	30A at Cold Start	
8	Output Voltage Range	V	10.8 - 13.2	21.6 - 26.4
9	Maximum Ripple & Noise (*2)	0≤Ta<60°C	mV	150
		-10≤Ta<0°C	mV	180
10	Maximum Line Regulation (*2)(*3)	mV	48	96
11	Maximum Load Regulation (*2)(*4)	mV	96	150
12	Temperature Coefficient (*2)	-	Less than 0.02% / °C	
13	Over Current Protection (*5)	A	4.51 <	2.62 <
14	Over Voltage Protection (*6)	V	13.8 - 16.2	27.6 - 32.4
15	Hold-up Time (Typ) (*1)	-	20ms	
16	Leakage Current (*7)	-	Less than 0.5mA	
17	Parallel Operation	-	-	
18	Series Operation	-	Possible	
19	Operating Temperature (*8)	-	Convection : -10 to +60°C (-10 to +40°C:100%, +50°C:70%, +60°C:20%)	
20	Operating Humidity	-	30 to 90%RH (No Condensing)	
21	Storage Temperature	-	-30 to +85°C	
22	Storage Humidity	-	10 to 95%RH (No Condensing)	
23	Cooling	-	Convection Cooling	
24	Withstand Voltage	-	Input - FG : 2kVAC (10mA), Input - Output : 2kVAC (10mA) Output - FG : 500VAC (20mA) for 1min	
25	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output - FG : 500VDC	
26	Vibration	-	At no operating, 10 - 55Hz (Sweep for 1min) 19.6m/s ² Constant, X,Y,Z 1hour each.	
27	Shock	-	Less than 196.1m/s ²	
28	Safety (*9)	-	Den-an (Appendix 8, Appendix 10)	
29	Conducted Emission	-	Designed to meet EN55011/EN55022-B, FCC-B, VCCI-B	
30	Radiated Emission	-	Designed to meet EN55011/EN55022-B, FCC-B, VCCI-B	
31	Immunity	-	Designed to meet IEC61000-4-2(Level 2,3), -3(Level 3), -4(Level 3), -5(Level 2,3), -6(Level 3), -8(Level 4), -11	
32	Weight (Typ)	g	390	
33	Size (W x H x D)	mm	62 x 36 x 174 (Refer to Outline Drawing)	

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

=NOTES=

- *1. At 100VAC, Ta=25°C, nominal output voltage and maximum output power.
- *2. Please refer to Fig. A for measurement of line & load regulation and ripple voltage.
- *3. 85 - 132VAC, constant load.
- *4. No load-Full load, constant input voltage.
- *5. Fold back current limit with automatic recovery.
Avoid to operate at over load or short circuit condition for more than 30seconds.
- *6. OVP circuit will shut the output down, manual reset (Re power on).
- *7. Measured by the each measuring method of PSE (at 100VAC), Ta=25°C.
- *8. Ratings
 - Derating at standard mounting. Refer to output derating curve(A239-01-02/PSE-).
 - Load (%) is percent of maximum output power or maximum output current, whichever is greater.
- *9. As for PSE, at 100VAC.

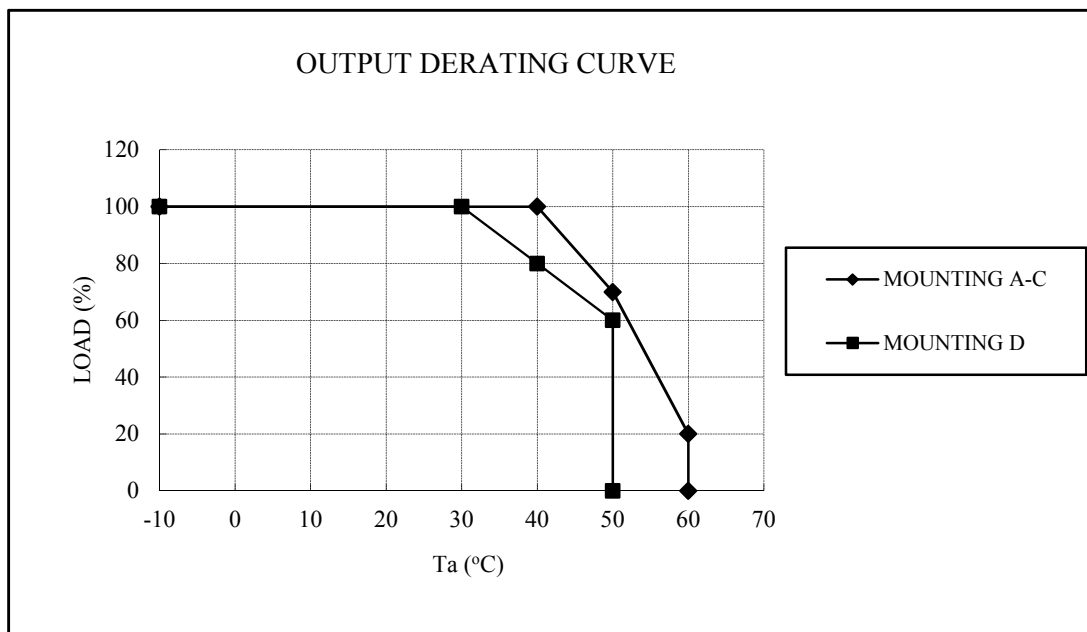


OUTPUT DERATING

A239-01-02/PSE

*COOLING : CONVECTION COOLING

Ta (°C)	LOAD (%)	LOAD (%)
	MOUNTING A-C	MOUNTING D
-10 to +30	100	100
40	100	80
50	70	60
60	20	-



MOUNTING A

MOUNTING B

MOUNTING C

MOUNTING D

DON'T USE

(STANDARD MOUNTING)

