

VS75P

SPECIFICATIONS

A220-01-01-A

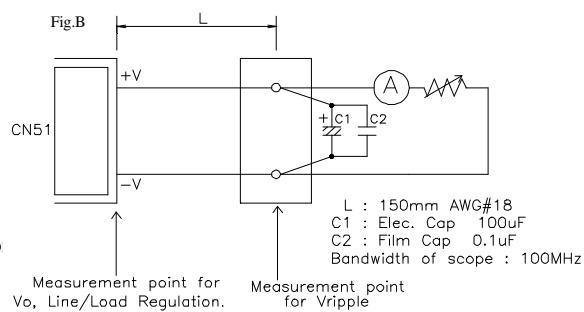
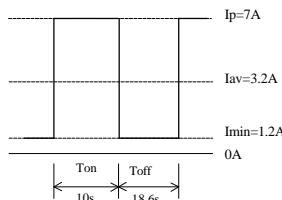
MODEL		VS75P-24
ITEMS		
1	Nominal Output Voltage	- 24V
2	Minimum Output Current	- 0A
3	Average Output Current	- 3.2A
4	Peak Output Current (*1)	- 7.0A
5	Average Output Power	- 76.8W
6	Peak Output Power (*1)	- 168W
7	Efficiency (Typ) (*2)	- 83.0%
8	Input Voltage Range (*3)	- 85-132VAC (47-440Hz) or 110-175VDC
9	Input Current (Typ) (*2)	- 1.9A
10	Inrush Current (Typ) (*4)	- 30A at 100VAC,cold start Ta:25°C
11	Output Voltage Range	- 21.6 ~ 26.4
12	Maximum Ripple & Noise (*5)	0≤Ta≤60°C 180mV -10≤Ta<0°C 240mV
13	Maximum Line Regulation (*5,6)	- 96mV
14	Maximum Load Regulation (*5,7)	- 150mV
15	Maximum Temperature Drift (*5,8)	- 240mV
16	Over Current Protection (*9)	- 7.1A ~ at Ta:25°C
17	Over Voltage Protection (*10)	- 115% ~ 135%
18	Hold-Up Time (Typ) (*2,13)	- 17ms
19	Leakage Current (*11)	- Less than 0.75mA
20	Parallel Operation	-
21	Series Operation	Possible
22	Operating Temperature (*12)	- Convection: -10~50°C:100%, 60°C:70%
23	Operating Humidity	- 30 ~ 90%RH (No dewdrop)
24	Storage Temperature	- -30 ~ +85°C
25	Storage Humidity	- 10 ~ 95%RH (No dewdrop)
26	Cooling	- Convection Cooling
27	Withstand Voltage	- Input-Output : 2kVAC(20mA), Input-FG : 2kVAC(20mA) Output-FG : 500VAC(100mA) 1min.
28	Isolation Resistance	- More than 100MΩ at Ta:25°C and 70%RH Output-FG 500VDC
29	Vibration	- At no operating, 10-55Hz (sweep for 1min) 19.6m/s² Constant, X,Y,Z 1hour each
30	Shock	- Less than 196.1m/s²
31	Safety	- Approved by UL60950, CSA60950, EN60950 & Built to meet DENAN
32	EMI (*13)	- Built to meet VCCI-B & FCC class B
33	Weight (Typ)	- 280g
34	Size (WxHxD)	mm 50 x 29 x 222

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

Fig.A

==NOTES==

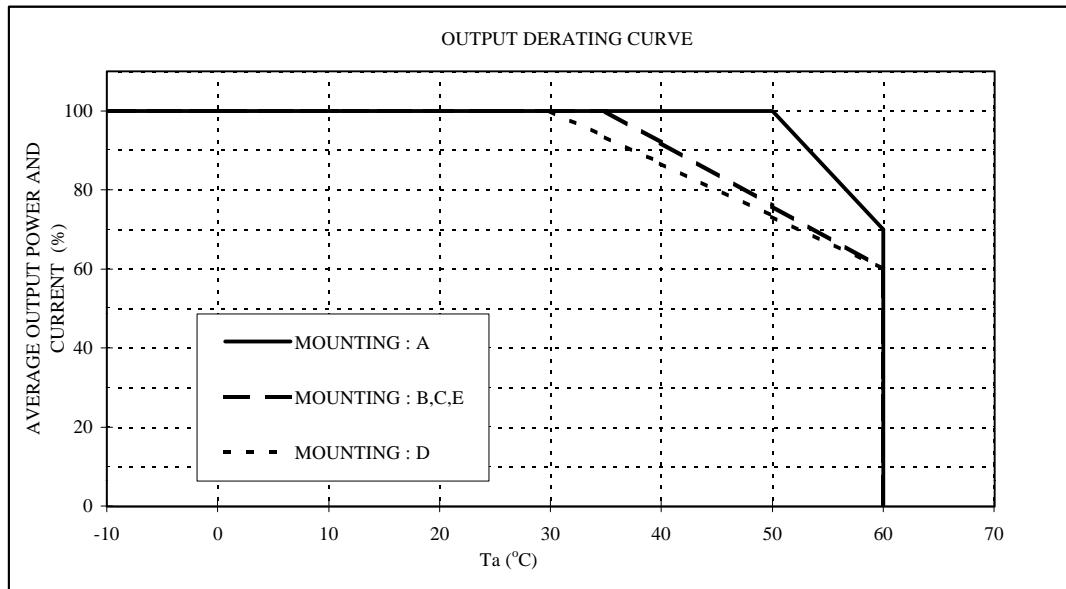
- *1. Operating time at peak output current is less than 10sec. with average output power and current (Duty=0.35). Please refer to Fig.A.& A220-01-03_.
- *2. At 100VAC and average output power, Ta=25°C.
- *3. For cases where conformance to various safety specs are required to be described as 100-120VAC, 50/60Hz on name plate.
- *4. Not applicable for the inrush current to Noise Filter for less than 0.2ms.
- *5. Please refer to Fig B for measurement determination of line & load regulation and output ripple voltage.
- *6. 85-132VAC, constant load.
- *7. Min load - full load (Average output power), constant input voltage.
- *8. -10 ~ +50°C constant input voltage and load.
- *9. Current limiting with automatic recovery. Avoid to operate at over load or dead short for more than 30 seconds.
- *10. OVP circuit will shutdown output, manual reset (Re power on)
- *11. Measured by each measuring method of UL, CSA, EN and DENAN (at 60Hz).
- *12. At standard mounting method Fig C. Refer to derating curve (A220-01-02_).
- Load(%) is percent of average output load.
Do not exceed derating in both average output power and current.
- *13. At 3.2A continuous output current condition.



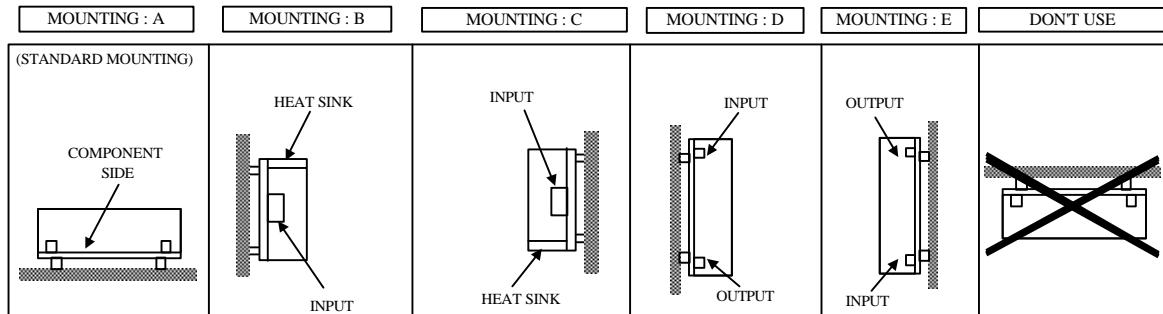
VS75P**OUTPUT DERATING**

A220-01-02-A

Ta (°C)	AVERAGE OUTPUT POWER AND CURRENT (%)		
	MOUNTING : A	MOUNTING : B,C,E	MOUNTING : D
-10	100	100	100
0	100	100	100
30	100	100	100
35	100	100	93.3
50	100	76	73.3
60	70	60	60

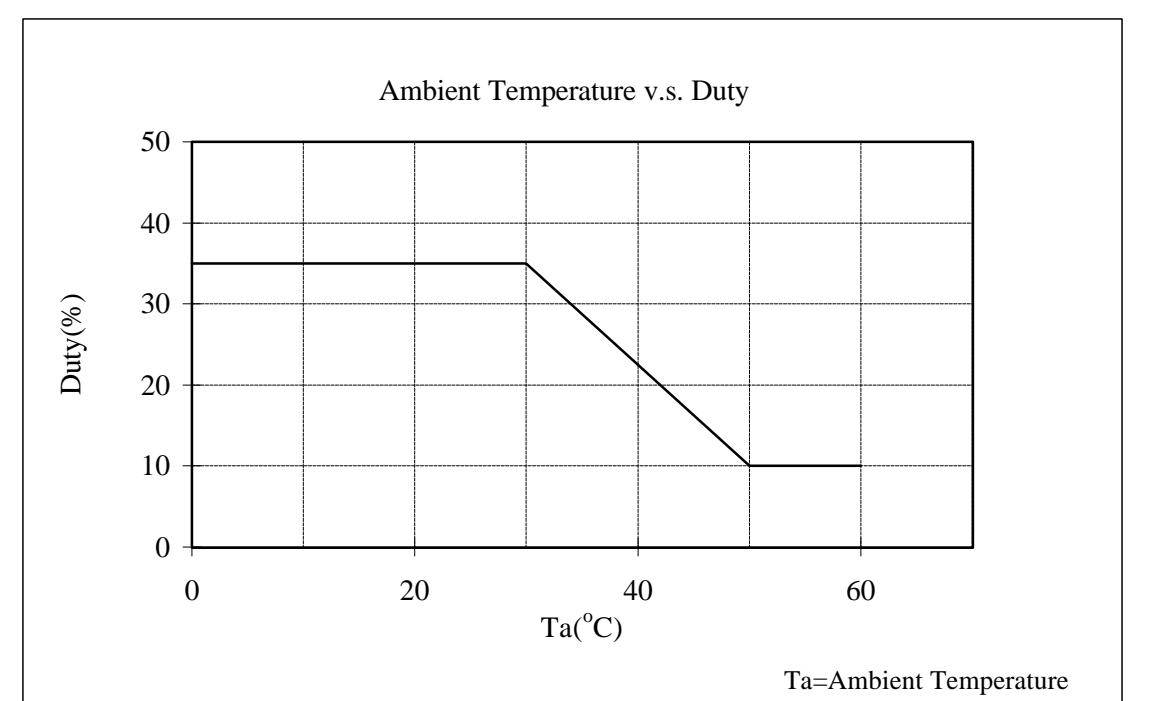


*PEAK OUTPUT CURRENT DOES NOT NEED



VS75P**Peak Output Current Condition**

A220-01-03

**Peak Output Current**

Relation between average output current and peak output current must satisfy formulas below. Also operating time at peak output current should be less than 10 sec.

