

**ALV100**

**SPECIFICATIONS**

PA622-01-01A

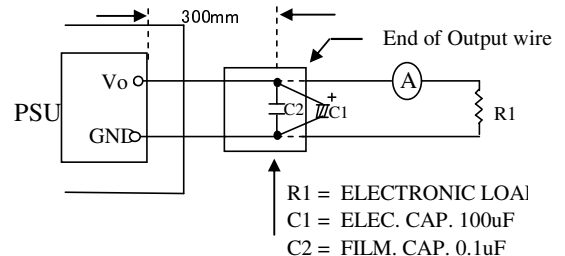
ITEMS		MODEL	ALV100-24-3R8	ALV100-36-2R5
1	Nominal Output Voltage	V	24	36
2	Minimum Output Current	A	0	0
3	Maximum Average Output Current	A	3.8	2.5
4	Maximum Average Output Power	W	91.2	90
5	Efficiency (Typ) ; 230VAC (*1)	%	89	88
6	Input Voltage Range (*2)	-	90 ~ 305 VAC (47Hz ~ 63 Hz)	
7	Input Current (TYP) ; 100VAC/200VAC (*1)	A	1.13/0.56	
8	Inrush Current (TYP)	A	25 @ 100 VAC, 50 @ 200VAC, Ta = 25 °C, COLD START	
9	Harmonic Current	-	Built to meet IEC61000-3-2 Class C (Load : 50% ~ 100%)	
10	Power Factor (100VAC/230VAC) (TYP) (*1)	-	0.99 / 0.95	
11	Output Voltage Accuracy (*3)	-	±3%	
12	Total Regulation (*3)	-	±3%	
13	Output Ripple & Noise (*1, *3)	mV	240	360
14	Over Current Protection (*4, *7)	W	>105% Rated Output Power	
15	Over Voltage Protection (*5)	-	>110%	
16	Turn On Time	mS	<1000	
17	Operating Temperature (*9)	°C	-30 ~ +70 (Refer to output derating curve)	
		-	Guarantee start up at -40 °C	
18	IP Class	-	IP66	
19	Operating Humidity	%RH	15 ~ 90%RH (NO DEWDROP)	
20	Storage Temperature	°C	-30 ~ +85	
21	Storage Humidity	%RH	15 ~ 90%RH (NO DEWDROP)	
22	Cooling	-	CONVECTION COOLED	
23	Withstand Voltage	-	INPUT - OUTPUT ... 3KVAC, 1 min (20mA Max)	
24	Isolation Resistance	-	>100MΩ AT 25 °C AND 70%RH. INPUT - OUTPUT : 500 VDC	
25	Leakage Current (*6)	mA	<0.25	
26	Vibration	-	10 ~ 55HZ Amplitude less than 1.65mm p-p (max 19.6m/s <sup>2</sup> ), Sweep 1 min X,Y,Z 30mins each	
27	Shock (In Package)	-	LESS THAN 196.1m/s <sup>2</sup>	
28	EMI (Conducted & Radiated Emission)	-	Built to meet EN55015-B ; EN55022-B ; VCCI-B ; CISPR 22-B ; FCC-B	
29	Immunity	-	Built to meet EN61000-4-2(Level 3), -3(Level 3), -4(Level 3), -5(Level 3), -6(Level 3), -8(Level 4), -11	
30	Safety Standard	-	UL8750; CSA C22.2 No.60950-1-07 2nd Ed. ;EN61347-1; EN61347-2-13; CE; DEN-AN 2	
31	Weight (Typ.)	g	500g	
32	Dimension (L x W x H)	mm	241 x 43 x 35 (Refer to Outline Drawing)	

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

NOTES :

- \*1 : AT MAXIMUM AVERAGE OUPUT POWER , Ta = 25°C.
- \*2 : FOR CASES WHERE CONFORMANCE TO VARIOUS SAFETY SPECS ( UL,CSA,EN, DEN - AN 2) ARE REQUIRED, TO BE DESCRIBED AS 100-240VAC (100-277V FOR USA), 50/60HZ ON NAME PLATE.
- \*3 : REFER TO FIG. A FOR MEASUREMENT DETERMINATION OF OUTPUT VOLTAGE REGULATION AND OUTPUT RIPPLE & NOISE VOLTAGE.
- \*4 : CURRENT LIMITING WITH AUTOMATIC RECOVERY.
- \*5 : OVP CIRCUIT WILL SHUTDOWN OUTPUT, MANUAL RESET ( RE-POWER ON).
- \*6 : AT 277VAC, 60Hz , Ta = 25°C.
- \*7 : AVOID OVER LOAD AND SHORT CIRCUIT CONDITION FOR MORE THAN 30 SEC.
- \*8 : ALL PARAMETERS NOT SPECIFICALLY MENTIONED ARE MEASURED @ 230VAC INPUT,RATED LOAD AND Ta = 25°C.
- \*9 : FOR CASES WHERE CONFORMANCE TO UL SAFETY SPECS, OPERATING TEMPERATURE IS -30 ~ +50°C.

**FIGURE A MEASUREMENT SETUP**



MEASUREMENT POINT FOR OUTPUT VOLT REGULATION AND RIPPLE & NOISE VOLTAGE (20MHz BANDWIDTH OSCILLOSCOPE)


**ALV100**

SPECIFICATIONS

PA622-01-02

DERATING CURVE

**\*COOLING : CONVECTION COOLING**

Ta (°C)	LOAD (%)	STANDARD MOUNTING
-30 ~ +50	100	
70	50	

