ALV80

SPECIFICATIONS

PA623-01-01A

	ITEMS / MODEL			ALV80-12-6R5
1	Nominal Output Voltage		V	12
2	Minimum Output Current		A	0
3	Maximum Average Output Current		A	6.5
4	Maximum Average Output Power		W	78
5	Efficiency (Typ) ; 230VAC	(*1)	%	86
6	Input Voltage Range	(*2)	-	90 ~ 305 VAC (47Hz ~ 63 Hz)
7	Input Current (TYP) ; 100VAC/200VAC	(*1)	A	1.0/0.50
8	Inrush Current (TYP)		A	25 @ 100 VAC, 50 @ 200VAC, Ta = 25℃, 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	180
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)	℃	-30 ~ +70 (Refer to output derating curve)
			-	Guarantee start up at -40℃
18	IP Class		-	IP66
19	Opeating Humidity		%RH	15 ~ 90%RH (NO DEWDROP)
20	Storage Temperature		℃	-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℃ 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^2), Sweep 1 min X,Y,Z 30mins each
27	Shock (In Package)		-	LESS THAN 196.1m/s²
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	Dimention (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).

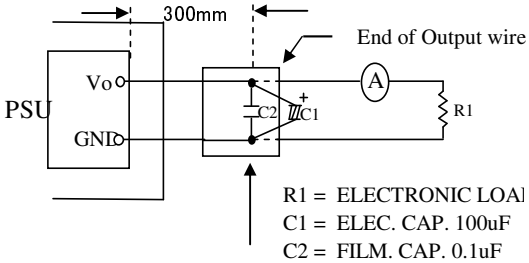
*6 : AT 277VAC, 60Hz , Ta = 25°C.

*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



R1 = ELECTRONIC LOAI
C1 = ELEC. CAP. 100uF
C2 = FILM. CAP. 0.1uF

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

ISSUED · ·
ENG. CHK. APPD.

ALV80

SPECIFICATION

PA623-01-02

DERATING CURVE

***COOLING : CONVECTION COOLING**

Ta (°C)	LOAD (%)	STANDARD MOUNTING
-30 ~ +50 70	100 60