

**EVS600W/R**

SPECIFICATIONS

A270-01-01/R-A

ITEMS		MODEL	EVS36-16R7/R	EVS57-10R6/R
1	Nominal Output Voltage	V	36	57
2	Maximum Output Current	100VAC	A	15.3
		200VAC	A	16.7
3	Maximum Output Power	100VAC	W	550.8
		200VAC	W	601.2
4	Efficiency (Typ)	100VAC	%	85
		200VAC	%	88
5	Input Voltage Range	(*)	85 - 265VAC (47 - 63Hz) or 120 - 330VDC	
6	Input Current (Typ)	(*)	7.2/4.0	
7	Inrush Current (Typ)	(*)	20A at 100VAC, 40A at 200VAC, Ta=25°C	
8	PFHC	-	Designed to meet IEC61000-3-2	
9	Power Factor (Typ)	(*)	0.95/0.90	
10	Output Voltage Range	V	24 - 36	48 - 57
11	Maximum Ripple & Noise	0≤Ta≤70°C	mV	200
		-20≤Ta<0°C	mV	240
12	Maximum Line Regulation	(*)	mV	144
13	Maximum Load Regulation	(*)	mV	288
14	Temperature Coefficient	-	Less than 0.02% / °C	
15	Output Constant Current Limit Range	100VAC	A	8.35 - 15.30
		200VAC	A	8.35 - 16.70
16	Constant Current Setting accuracy	-	±10%	
17	Over Voltage Protection	(*)	39.6 - 46.8	62.7 - 74.1
18	Hold-up Time (Typ)	(*)	10ms	
19	Leakage Current	(*)	Less than 0.75mA	
20	Remote Control	(*)	Possible	
21	Parallel Operation	-	Possible	
22	Series Operation	-	Possible	
23	Operating Temperature	(*)	-20 - +70°C (-20 - +50°C:100%, +70°C:20%)	
24	Operating Humidity	-	30 - 90%RH (No Condensing)	
25	Storage Temperature	-	-30 - +75°C	
26	Storage Humidity	-	10 - 90%RH (No Condensing)	
27	Cooling	-	Forced Air Cooling	
28	Withstand Voltage	-	Input - FG : 2kVAC (10mA), Input - Output : 3kVAC (10mA) Output - FG : 500VAC (20mA) for 1min	
29	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output to Chassis : 500VDC	
30	Vibration	-	At no operating, 10 - 55Hz (Sweep for 1min) 19.6m/s <sup>2</sup> Constant, X,Y,Z 1hour each.	
31	Shock	-	Less than 196.1m/s <sup>2</sup>	
32	Safety	-	Approved by UL62368-1, CSA62368-1, EN62368-1, UL60950-1, CSA60950-1, EN60950-1 (Expire date of 60950-1 : 20/12/2020) Designed to meet Den-an Appendix 8 at 100VAC only.	
33	Conducted Emission	(*)	Designed to meet EN55011/EN55032-B, FCC-B, VCCI-B	
34	Radiated Emission	(*)	Designed to meet EN55011/EN55032-B, FCC-B, VCCI-B	
35	Immunity	(*)	Designed to meet IEC61000-6-2 IEC61000-4-2, -3, -4, -5, -6, -8, -11	
36	Weight (Typ)	g	1600	
37	Size (W x H x D)	mm	61 x 120 x 190 ( 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 the in-rush current to Noise Filter for less than 0.2ms.
- \*4. Please refer to Fig. A for measurement of Vo, line & load regulation and ripple voltage.
- \*5. 85 - 265VAC, constant load.
- \*6. No load-Full load, constant input voltage.
- \*7. Constant current limit with automatic recovery. Avoid to operate at short circuit condition. Avoid to operate at constant current condition that output voltage is less than 50% of setting output voltage.
- \*8. OVP circuit will shut down output, manual reset (Re power on).
- \*9. Measured by the each measuring method of UL, CSA, EN and Den-an(at 60Hz), Ta=25°C.
- \*10. As for Remote control mode, refer to Fig. B.
- \*11. Output Derating
  - Derating at standard mounting. Refer to LOAD vs. AMBIENT TEMPERATURE (A270-01-02\_).
  - Load (%) is percent of maximum output power or maximum output current, do not exceed its derating of maximum load.
- \*12. Output derating needed when input voltage less than 110VAC. Refer to LOAD vs. INPUT VOLTAGE (A270-01-02\_).
- \*13. At 110VAC/200VAC, Ta=25°C, nominal output voltage and maximum output power.
- \*14. With clamp filter (TDK ZCAT3035-1330) on input line.
- \*15. The power supply is considered a component which will be installed into a final equipment. The final equipment should be re-evaluated that it meets EMC directives.

Fig.A

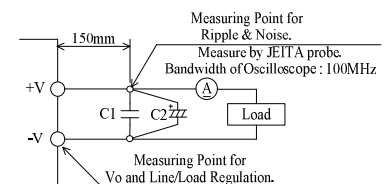
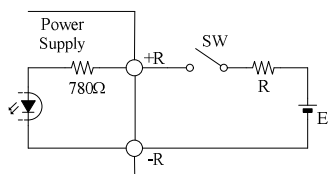


Fig.B



The control mode is shown below.

+R & -R terminal condition	Output condition
SW ON (Higher than 4.5V)	ON
SW OFF (Lower than 0.5V)	OFF

External voltage level : E	External resistance : R
4.5 ~ 12.5VDC	No required
12.5 ~ 24.5VDC	1.5kΩ