

EVS600W

SPECIFICATIONS

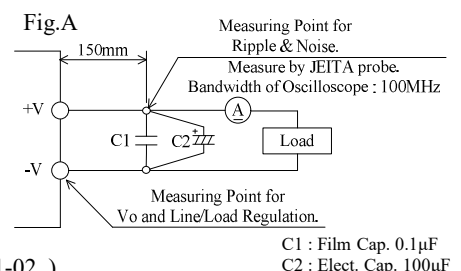
A270-01-01A

ITEMS		MODEL	EVS36-16R7	EVS57-10R6
1	Nominal Output Voltage	V	36	57
2	Maximum Output Current	100VAC A	15.3	9.7
		200VAC A	16.7	10.6
3	Maximum Output Power	100VAC W	550.8	552.9
		200VAC W	601.2	604.2
4	Efficiency (Typ) (*1)(*11)	100VAC %	85	84
		200VAC %	88	87
5	Input Voltage Range (*2)(*11)	-	85 - 265VAC (47 - 63Hz) or 120 - 330VDC	
6	Input Current (Typ) (*1)(*11)	A	7.2/4.0	
7	Inrush Current (Typ) (*1)(*3)(*11)	-	20A at 100VAC, 40A at 200VAC, Ta=25°C	
8	PFHC	-	Designed to meet IEC61000-3-2	
9	Power Factor (Typ) (*1)(*11)	-	0.95/0.90	
10	Output Voltage Range	V	24 - 36	48 - 57
11	Maximum Ripple & Noise (*4)	0≤Ta≤70°C mV	200	200
		-20≤Ta<0°C mV	240	400
12	Maximum Line Regulation (*5)(*11)	mV	144	228
13	Maximum Load Regulation (*6)(*11)	mV	288	456
14	Temperature Coefficient	-	Less than 0.02% / °C	
15	Output Constant Current Limit Range (*7)	100VAC A	8.35 - 15.30	5.30 - 9.70
		200VAC A	8.35 - 16.70	5.30 - 10.60
16	Constant Current Setting accuracy	-	±10%	
17	Over Voltage Protection (*8)	V	39.6 - 46.8	62.7 - 74.1
18	Hold-up Time (Typ) (*12)	-	10ms	
19	Leakage Current (*9)	-	Less than 0.75mA	
20	Remote Control	-	Option	
21	Parallel Operation	-	Possible	
22	Series Operation	-	Possible	
23	Operating Temperature (*10)(*11)	-	-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 ² Constant, X,Y,Z 1hour each.	
31	Shock	-	Less than 196.1m/s ²	
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 (*14)	-	Designed to meet EN55011/EN55032-B, FCC-B, VCCI-B	
34	Radiated Emission (*13)(*14)	-	Designed to meet EN55011/EN55032-B, FCC-B, VCCI-B	
35	Immunity (*14)	-	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. 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.
- *11. Output derating needed when input voltage less than 110VAC. Refer to LOAD vs. INPUT VOLTAGE (A270-01-02_).
- *12. At 110VAC/200VAC, Ta=25°C, nominal output voltage and maximum output power.
- *13. With clamp filter (TDK ZCAT3035-1330) on input line.
- *14. 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.



EVS600W

OUTPUT DERATING

A270-01-02

Ta (°C)	LOAD (%)
	MOUNTING A-D
-20 - +50	100
70	20

INPUT VOLTAGE (VAC)	LOAD (%)
	MOUNTING A-D
85	80
100	92
110 - 265	100

