



A-150(3.3V/5V/7.5V/12V/13.8V/15V/24V/48V)Switching Power Supply



Specification

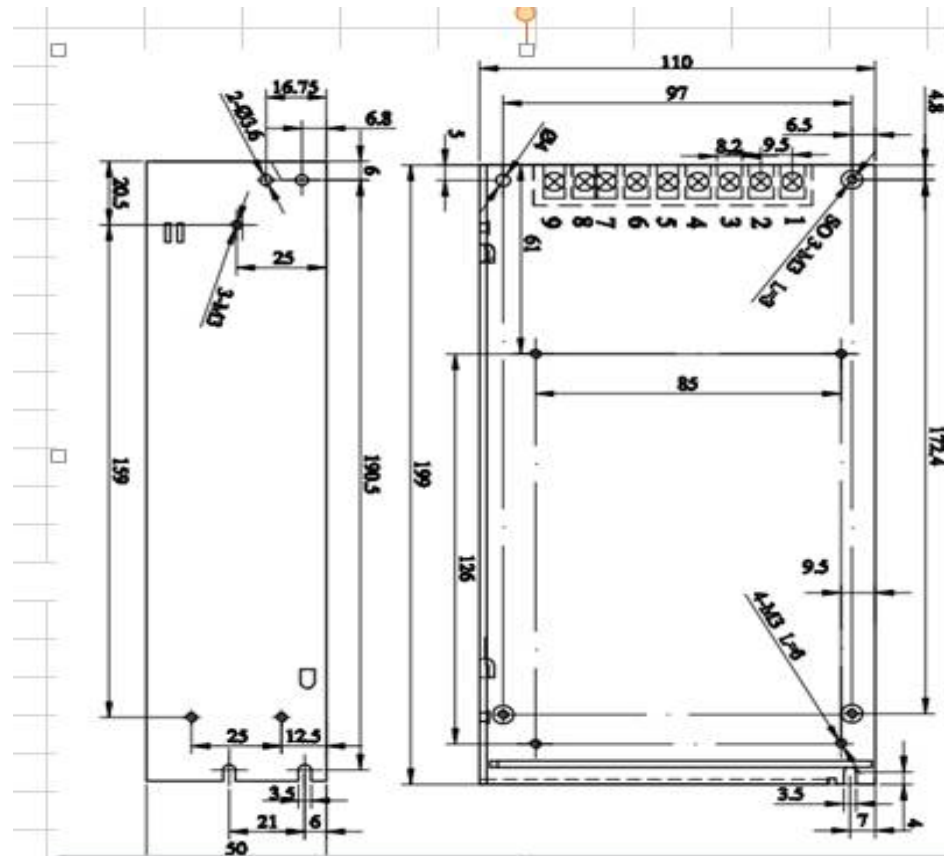
Model	A-150-3.3	A-150-5	A-150-7.5	A-150-12	A-150-13.8	A-150-15	A-150-24	A-150-48	
Output	DC voltage	3.3V	5V	7.5V	12V	13.8V	15V	24V	48V
	Rated current	30A	30A	20A	12.5A	10.9A	10A	6.5A	3.2A
	Current range	0 ~ 30A	0 ~ 30A	0 ~ 20A	0 ~ 12.5A	0 ~ 10.9A	0 ~ 10A	0 ~ 6.5A	0 ~ 3.2A
	Rated power	99W	150W	150W	150W	150.4W	150W	156W	153W
	Ripple & noise	100mVp-p	100mVp-p	100mVp-p	120mVp-p	120mVp-p	150mVp-p	200mVp-p	240mVp-p
	Voltage ADJ.Range	2.9 ~ 3.6V	4.5 ~ 5.5V	6.7 ~ 8.2V	10.8 ~ 13.2V	12.4 ~ 15.2V	13.5 ~ 16.5V	21.6 ~ 26.4V	44 ~ 52V
	Voltage tolerance	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	Line regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Load regulation	±2%	±2%	±1%	±1%	±1%	±1%	±1%	±1%
	Setup, rise time	500ms , 50ms/230VAC load 00%							
Hold up time (Typ)	20ms/230VAC load 100%								
Input	Voltage range	88 ~ 132VAC,176 ~ 264V AC (with inter switch)							
	Frequency range	47 ~ 63HZ							

	Power coefficient (Typ)	PF≥0.5							
	Efficiency(Typ)	≥72%	≥78%	≥80%	≥82%	≥83%	≥84%	≥85%	≥86%
	Inrush current(Typ)	40A/230VAC							
	Leakage current	<1.5mA/240VAC							
Protection	Overload	110 ~ 150% rated							
	Short circuit	Protection type: power supply was protected when output short circuit ,shut down output, recovers automatically after remove short circuit							
	Over voltage (Voltage limited)	3.6 ~ 4.95V	5.5 ~ 7.5V	8.25 ~ 11.25V	13.2 ~ 18V	15.1 ~ 20V	16.5 ~ 22.5V	26.4 ~ 36V	52.8 ~ 72V
	Over temperature	NO							
Environment	Working temperature	-20°C ~ +50°C (Pleaes refer to load and temperature derating curve)							
	Working humidity	20 ~ 90%RH non-condensing							
	Storage tempeture	-30°C ~ +85°C							
	Store humidity	10 ~ 95%RH non-condensing							
	Temperature coefficient	±0.03%/°C (0 ~ 50°C)							
	Vibration	10 ~ 500Hz , 2G , 10min/1 cycle , period for 60min, each along X,Y,Z axes							
Safety& EMC	Safety standards	EN60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013							
	Withstand voltage	I/P-O/P、 I/P-FG : 1.5KVAC O/P-FG : 0.5KVAC							
	Isolation resistance	I/P-O/P、 I/P-FG、 O/P-FG : ≥50MΩ/500VDC							
	EMC	EN61000-3-2,EN61000-3-3							
	Hamonic current	EN55022,EN55024,EN61000-6-2 class B							
Other	MTBF	100,000 hours(25°C)							
	Dimension	199*110*50 (L*W*H)							
	Packing	20pcs/carton , 19Kg , 0.9Kg/pc							

Note

*In order to extend power supply lifetime, suggest keep 30% allowance when match load, such as : equipment need to use 100W, so choose not less than 130W power supply.

*Ripple and noise are measured at 20MHz of bandwidth by using a 12 twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.



Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4 ~ 6	DC output(-V)
2	AC/N	7 ~ 9	DC output(+V)
3	FG		