



A-250(5V,12V,15V,24V,48V)Switching Power Supply

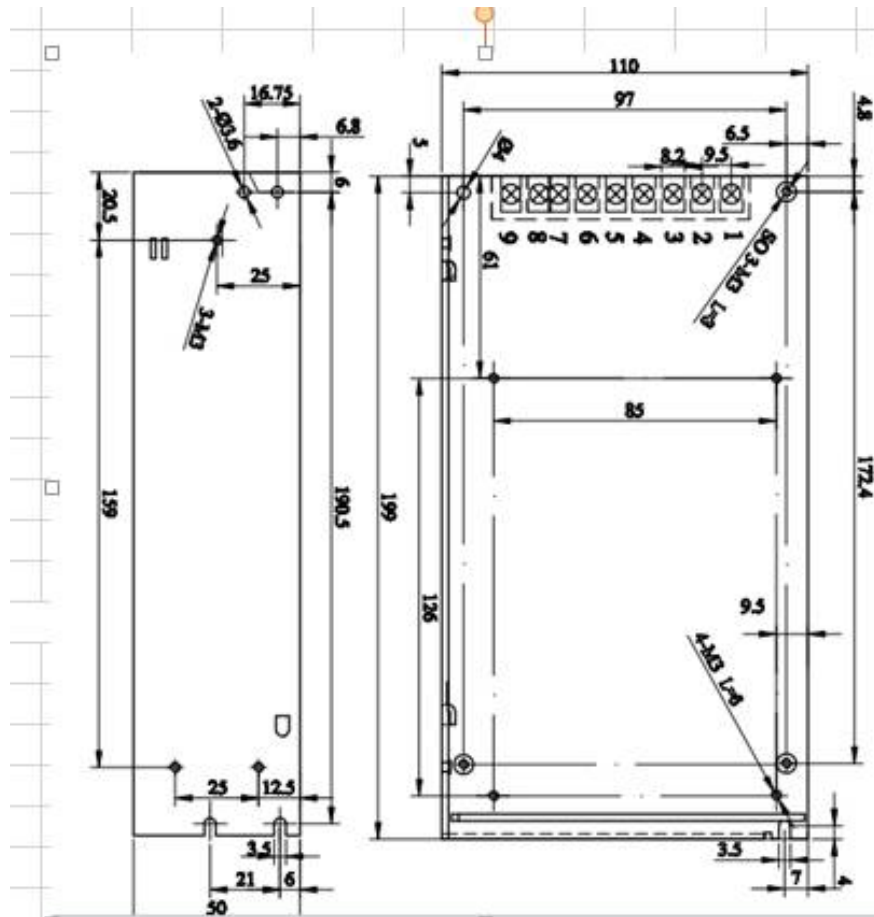


Specification

Model		A-250-7.5	A-250-12	A-250-13.8	A-250-15	A-250-18	A-250-24	A-250-48
Output	DC voltage	7.5V	12V	13.8V	15V	18V	24V	48V
	Rated current	30A	20A	18A	16A	13.8A	10.5A	5.2A
	Current range	0 ~ 30A	0 ~ 20A	0 ~ 18A	0 ~ 16A	0 ~ 13.8A	0 ~ 10.5A	0 ~ 10.5A
	Rated power	225W	240W	248.4W	240W	248.4W	252W	249.6W
	Ripple & noise	100mVp-p	120mVp-p	120mVp-p	150mVp-p	120mVp-p	200mVp-p	200mVp-p
	Voltage ADJ.Range	6.75 ~ 8.25V	10.8 ~ 13.2V	12.42 ~ 15.18V	13.1 ~ 16.5V	16.2 ~ 19.8V	21.6 ~ 26.4V	43.2 ~ 52.8V
	Voltage tolerance	±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%
	Load regulation	±2%	±1%	±2%	±1%	±1%	±1%	±1%
	Setup, rise time	500ms , 50ms/230VAC load 100%						

	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 \geq 0.5						
	Efficiency(Typ)	\geq 79%	\geq 80%	\geq 81%	\geq 82%	\geq 83%	\geq 83%	\geq 84%
	Inrush current(Typ)	40A/230VAC						
	Leakage current	<3.5mA/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)	8.25 ~ 11.25V	13.2 ~ 18V	15.1 ~ 20.7V	16.5 ~ 22.5V	19.8 ~ 27V	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	\pm 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 : \geq 50M Ω /500VDC						
	EMC	EN61000-3-2,EN61000-3-3						
	Hamonic current	EN55022,EN55024,EN61000-6-2 class B						

Other	MTBF	100,000小时(25°C)
	Dimension	199*110*50 (L*W*H)
	Packing	20pcs/carton , 19Kg , 0.9Kg/pc
Note	<p>*In order to extend power supply lifetime, suggest keep 30% allowance when match load, such as : equipment need to use 100W, so choose choose not less than 130W power supply.</p> <p>*Ripple and noise are measured at 20MHzof bandwidth by using a 12 twisted pair-wire terminated with a 0.1uF&47uF parallel capacitor.</p>	



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