



100W Single Output Switching Power Supply

100W SERIES

Features:

- * Universal AC input /Full range
- * Built in active PFC function
- * High efficiency and high reliability
- * Built in remote control (option)
- * Protections: Short circuit / Overload / Over voltage / Over temp
- * Output voltage $\pm 10\%$ adjustment
- * Cooling by free air convection
- * 100% full load burn-in test
- * 2 years warranty
- * Meet UL,CB,CE



SPECIFICATION

MODEL		3A-1A2DX12	3A-1A2DX15	3A-1A2DX24	3A-1A2DX36	3A-1A2DX48
OUTPUT	DC VOLTAGE	12V	15V	24V	36V	48V
	RATED CURRENT	8.5A	6.7A	4.2A	2.9A	2.2A
	CURRENT RANGE	0~8.5A	0~6.7A	0~4.2A	0~2.9A	0~2.2A
	RATED POWER	100W	100W	100W	100W	100W
	RIPPLE & NOISE Note.2	120mVp-p	150mVp-p	240mVp-p	240mVp-p	240mVp-p
	VOLTAGE ADJ. RANGE	11.4V~12.6V	14.25V~15.75V	22.8V~25.2V	34.2V~37.8V	45.6V~50.4V
	VOLTAGE TOLERANCE Note.3	±2%	±1%	±1%	±1%	±1%
	LINE REGULATION	±1%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±2%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP TIME	1000ms/230VAC ; 2000ms/115VAC at full load				
	RISE TIME	50ms at full load				
	HOLD UP TIME	50ms/230VAC ; 10ms/115VAC at full load				
	Green mode function	Power consumption at no load< 0.5W at 230VAC input				
INPUT	VOLTAGE RANGE	85 ~ 264VAC ; 120 ~ 370VDC				
	FREQUENCY RANGE	47~63Hz				
	EFFICIENCY	87%	88%	89%	89%	90%
	AC CURRENT	1.5A/115VAC ; 0.75A/230VAC				
	INRUSH CURRENT	COLD START 30A/115VAC ; 65A/230VAC				
	LEAKAGE CURRENT	<3.5mA /240VAC				
PROTECTION	OVER LOAD	110~170% rated output power Protection type: Hiccup mode,recovers automatically after fault condition is removed				
	OVER VOLTAGE	115~145% Protection type: Shut down and latch off , recover after re-start up.				
ENVIRONMENT	WORKING TEMP	-10 ~ +60℃ (Refer to output load derating curve)				
	WORKING HUMIDITY	20% ~90% RH non-condensing				
	STORAGE TEMP,HUMIDITY	-20 ~ +85℃ ; 10% ~95% RH				
	TEMP. COEFFICIENT	±0.03% / ℃ (0 ~ 50℃)				
	VIBRATION	10~500Hz,2G 10min./1cycle,period for 60min. Each along X,Y,Z axes				
SAFETY & EMC	SAFETY STANDARDS	Meet UL1012,UL60950-1 ,TUV EN60950-1				
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC				
	ISOLATION RESISTANCE	I/P-O/P,I/P-FG,O/P-FG:100M Ohms/500VDC				
	EMI CONDUCTION&RADIATION	Meet EN55022(CISPR22)Class B				
	HARMONIC CURRENT	Meet EN61000-3-2,-3				
	EMS IMMUNITY	Meet EN61000-4-2,3,4,5,6,8,11 ; ENV50204,EN55024,light industry level,criteria A				
OTHERS	MTBF	300K hrs min. MIL-HDBK-217F(25℃)				
	DIMENSION	179*99*44mm(L*W*H)				
	PACKING	TBD				
NOTE	1.All parameters NOT specially mentioned are measured at 230VAC input,rated load and 25℃ of ambient temperature. 2.RIPPLE & NOISE are measured at 20MHZ of bandwidth by using a 12"twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3.Tolerance:includes set up tolerance,line regulation and load regulation. 4.The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.					