

CDECIFICATION



Features:

- Universal AC input / Full range
- Built-in active PFC function, PF>0.94
- High efficiency up to 89%
- * Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built-in constant current limiting circuit
- * Built-in cooling fan ON-OFF control
- * Built-in DC OK signal
- Built-in remote sense function



SPECIFIC	ATION	
MODEL		PS600A48
ОИТРИТ	DC VOLTAGE	48V
	RATED CURRENT	13A
	CURRENT RANGE	0~13A
	RATED POWER	624W
	RIPPLE & NOISE (max.) Note.2	
	VOLTAGE ADJ. RANGE	40.8 ~ 55.2V
	VOLTAGE TOLERANCE Note.3	
	LINE REGULATION	± 0.2%
	LOAD REGULATION	± 0.5%
	SETUP, RISE TIME	1800ms, 50ms/230VAC 3600ms, 50ms/115VAC at full load
	·	16ms/230VAC 16ms/115VAC at full load
	HOLD UP TIME (Typ.)	
INPUT		85 ~ 264VAC 120 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	POWER FACTOR (Typ.)	PF>0.94/230VAC PF>0.99/115VAC at full load
	EFFICIENCY (Typ.)	89%
	AC CURRENT (Typ.)	7.6A/115VAC 3.6A/230VAC
	INRUSH CURRENT (Typ.)	35A/115VAC 70A/230VAC
	LEAKAGE CURRENT	<1.2mA / 240VAC
PROTECTION	OVERLOAD	105 ~ 135% rated output power
		Protection type : Constant current limiting, recovers automatically after fault condition is removed
	OVER VOLTAGE	57.6 ~ 67.2V
		Protection type : Shut down o/p voltage, re-power on to recover
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down
FUNCTION	DC OK SIGNAL	PSU turn on : 3.3 ~ 5.6V ; PSU turn off : 0 ~ 1V
	FAN CONTROL (Typ.)	Load 35± 15% or RTH2 ≥ 50°C Fan on
ENVIRONMENT	WORKING TEMP.	-40 ~ +70°C (Refer to "Derating Curve")
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing
	TEMP. COEFFICIENT	± 0.03%/ (0 ~ 50°C)
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, EAC TP TC 004 approved
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2, heavy industry level, criteria A, EAC TP TC 020
OTHERS	MTBF	140.6K hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	218*105*63.5mm (L*W*H)
	PACKING	1.5Kg;8pcs/13Kg/1.34CUFT
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consid a 360mm*360mm metal pla perform these EMC tests, p Derating may be needed ui	Illy mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. and at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. tolerance, line regulation and load regulation. ered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on the with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to blease refer to "EMI testing of component power supplies." nder low input voltages. Please check the derating curve for more details. erating of 3.5 /1000m with fanless models and of 5 /1000m with fan models for operating altitude higher than 2000m(6500ft)



