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90W AC-DC Single Output Desktop

GS90 series



Features :

- Universal AC input / Full range
- 3 pole AC inlet IEC320-C14
- Built-in active PFC function, PF>0.91
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Fully enclosed plastic case
- Approvals: UL / CUL / TUV / BSMI / CCC / CB / FCC / CE
- Class I power (with earth pin)
- Pass LPS
- LED indicator for power on
- No load power consumption<0.5W
- Meet EISA 2007(Energy Independence and Security Act)
- 2 years warranty



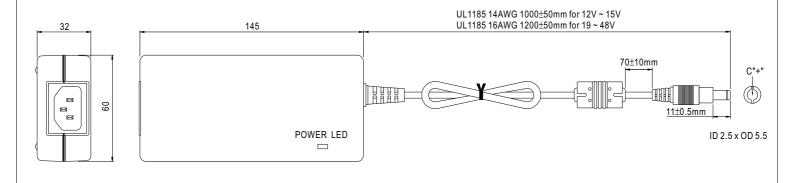
SPECIFICATION

ORDER NO.		GS90A12-P1M	GS90A15-P1M	GS90A19-P1M	GS90A24-P1M	GS90A48-P1M	
	SAFETY MODEL NO.	GS90A12	GS90A15	GS90A19	GS90A24	GS90A48	
OUTPUT	DC VOLTAGE Note.2	12V	15V	19V	24V	48V	
	RATED CURRENT	6.67A	6A	4.74A	3.75A	1.87A	
	CURRENT RANGE	0~6.67A	0~6A	0~4.74A	0~3.75A	0 ~ 1.87A	
	RATED POWER (max.)	80W	90W	90W	90W	90W	
	RIPPLE & NOISE (max.) Note.3		100mVp-p	150mVp-p	180mVp-p	240mVp-p	
	VOLTAGE TOLERANCE Note.4		±5.0%	±4.0%	±3.0%	±2.0%	
		±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
		±5.0%	±5.0%	±4.0%	±3.0%	±2.0%	
		1000ms, 20ms / 230VAC 1000ms, 20ms / 115VAC at full load					
	HOLD UP TIME (Typ.)	20ms / 230VAC 20ms / 115VAC at full load					
INPUT	,	90 ~ 264VAC 127 ~ 370VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	PF>0.91 / 230VAC PF>0.95 / 115VAC at full load					
	EFFICIENCY (Typ.)	88%	89%	89%	89.5%	91%	
	AC CURRENT	2A / 115VAC 1A / 23					
	INRUSH CURRENT (max.)	70A/230VAC					
	LEAKAGE CURRENT(max.)	1mA/240VAC					
PROTECTION		110 ~ 150% rated output power					
	OVERLOAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed					
		105 ~ 135% rated output voltage					
	V OVER VOLTAGE Protection type : Shut down o/p voltage, re-power on to recover						
	RTH30 > 100°C						
	OVER TEMPERATURE	EMPERATURE Protection type : Shut down o/p voltage, re-power on to recover					
ENVIRONMENT	WORKING TEMP.	-30 ~ +50°C (Refer to output load derating curve)					
	WORKING HUMIDITY	20% ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03% / °C (0~50°C)					
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes					
SAFETY & EMC (Note. 7)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, BSMI CNS14336, CCC GB4943 approved					
	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 / 25°C / 70% RH					
	EMI CONDUCTION & RADIATION	Compliance to EN55022 class B, FCC PART 15 / CISPR22 class B, CNS13438 class B, GB9254 class B					
	HARMONIC CURRENT	Compliance to EN61000-3-2,3, GB17625.1					
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A					
	MTBF	348.7Khrs min. MIL-HDBK-217F(25°C)					
OTHERS	DIMENSION	145*60*32mm (L*W*H)					
	PACKING	0.45Kg; 30pcs/14.05Kg/1CUFT					
CONNECTOR	PLUG	Standard type P1M: 2.5 ϕ * 5.5 ϕ * 11mm, tuning fork type, center positive for stock ; Other type available by customer requested					
	CABLE	See page 2 ; Other type available by customer requested					
NOTE	 DC voltage: The output vol Ripple & noise are measure Tolerance: includes set up Line regulation is measure Load regulation is measure The power supply is considered EMC directives. Length of set up time is measure 	ied at 230VAC input, rated load, 25°C 70% RH ambient. oltage set at point measure by plug terminal & 50% load. ured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. p tolerance, line regulation, load regulation. red from low line to high line at rated load. ured from 10% to 100% rated load sidered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the neasured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. under low input voltages. Pleas check the derating curve for more details.					



Mechanical Specification

Case No. 978A Unit:mm



Plug Assignment

Standard plug: P1M (option)

P1M			
P/N	OUTPUT		
CENTER	+		

