



■ Features:

- Universal AC input / Full range
- Built-in active PFC function
- No load power consumption<0.5W
- Energy efficiency Level V
- Comply with EISA 2007, NRCAN, AU/NZ MEPS and EU ErP
- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- Protections: Short circuit / Overload / Over voltage/Over temperature
- Pass LPS
- Fully enclosed plastic case
- LED indicator for power on
- 2 years warranty

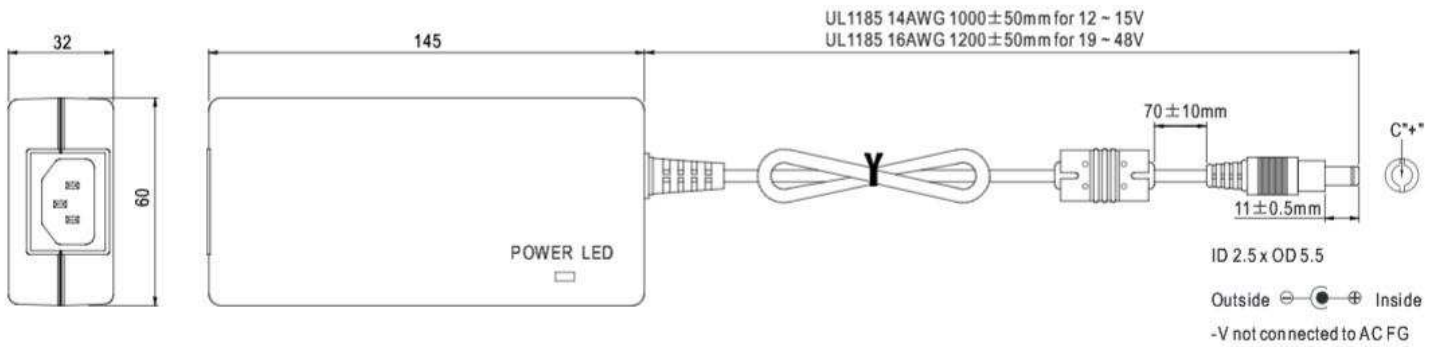


SPECIFICATION

ORDER NO.		GS90A12-P1M	
OUTPUT	SAFETY MODEL NO.	GS90A12	
	DC VOLTAGE Note.2	12V	
	RATED CURRENT	6.67A	
	CURRENT RANGE	0-6.67A	
	ATED POWER (max.)	80W	
	RIPPLE & NOISE (max.) Note.3	80mVp-p	
	VOLTAGE TOLERANCE Note.4	±5.0%	
	LINE REGULATION	±1.0%	
	LOAD REGULATION	±5.0%	
	SETUP, RISE TIME	1000ms, 20ms / 230VAC 1000ms, 30ms / 115VAC at full load	
	HOLD UP TIME(Typ.)	20ms / 230VAC	20ms / 115VAC at full load
INPUT	VOLTAGE RANGE	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%	
	AC CURRENT (Typ.)	2A / 115VAC	1A / 230VAC
	INRUSH CURRENT (max.)	70A / 230VAC	
	LEAKAGE CURRENT(max.)	1mA / 240VA	
PROTECTION	OVERLOAD	110 ~ 150% rated output power	
		Potection type : Hiccup mode, recovers automatically after fault condition is removed	
	OVER VOLTAGE	105 ~ 135% rated output voltage	
		Protection type : Shut down o/p voltage, re-power on to recover	
	OVER TEMPERATURE	Protection type : Shut down o/p voltage, re-power on to recover	
ENVIRONMENT	WORKING TEMP.	-30 ~ +50℃ (Refer to "Derating Curve")	
	WORKING HUMIDITY	20% ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-40 ~ +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 (Note 8)	SAFETY STANDARDS	UL60950-1, CSA C22.2, TUV EN60950-1, BSMI CNS14336, CCC GB4943, PSE J60950-1 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:100M Ohms/500VDC/25℃ 70% RH	
	EMC EMISSION	Compliance to EN55022 class B, EN61000-3-2,3, FCC PART 15 / CISPR22 class B, CNS13438 class B, GB9254, GB17625.1	
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A	
OTHERS	MTBF	348.7K hrs min. MIL-HDBK-217F(25℃)	
	DIMENSION	145*60*32mm (L*W*H)	
	PACKING	0.45Kg/30pcs/14.5Kg/1CUFT	
CONNECTOR	PLUG	See page 2 ; Other type available by customer requested	
	CABLE	See page 2 ; Other type available by customer requested	
NOTE	1. All parameters are specified at 230VAC input, rated load, 25℃ 70% RH ambient. °C 2. DC voltage: The output voltage set at point measure by plug terminal & 50% load. 3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. 4. Tolerance: includes set up tolerance, line regulation, load regulation. 5. Line regulation is measured from low line to high line at rated load. 6. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. 7. Derating may be needed under low input voltages. Please check the derating curve for more details. 8. The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)		

Mechanical Specification

Case No. GS90A Unit:mm

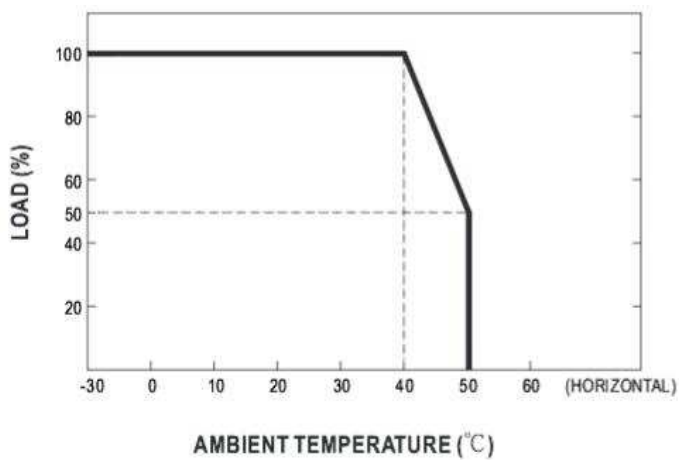


Plug Assignment

Standard plug: P1M

P1J	
P/N	OUTPUT
CENTER	+

Derating Curve



Static Characteristic

