



## 12W AC-DC Single Output Desktop

## GI12 series



### ■ Features :

- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- Universal AC input
- Protections: Short circuit/ Over voltage
- RCC control for low cost
- 100% full load burn-in test
- Fully enclosed plastic case
- Optional output connector
- Smallest and compact size
- Approvals: TUV/ UL/ CUL/ T/ CE/ FCC
- 1 year warranty



### SPECIFICATION

ORDER NO.	GI1203A-P2I	GI1205A-P2I	GI1206A-P2I	GI1207A-P2I	GI1209A-P2I	GI1212A-P2I	GI1215A-P2I	
OUTPUT	SAFETY MODEL NO.	GI12-US0320	GI12-US0520	GI12-US0618	GI12-US0716	GI12-US0913	GI12-US1210	GI12-US1508
	DC VOLTAGE	3V	5V	6V	7V	9V	12V	15V
	RATED CURRENT	2.0A	2.0A	1.8A	1.6A	1.3A	1.0A	0.8A
	CURRENT RANGE	0 ~ 2.0A	0 ~ 2.0A	0 ~ 1.8A	0 ~ 1.6A	0 ~ 1.3A	0 ~ 1.0A	0 ~ 0.8A
	RATED POWER	6W	10W	10.8W	11.2W	11.7W	12W	12W
	RIPPLE & NOISE (max.) Note.2	50mVp-p	50mVp-p	60mVp-p	70mVp-p	90mVp-p	120mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	Fixed output						
	VOLTAGE TOLERANCE Note.3	±6.0%	±5.0%	±4.0%	±3.0%	±3.0%	±3.0%	±3.0%
	LINE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
LOAD REGULATION Note.5	±5.0%	±4.5%	±3.5%	±2.5%	±2.5%	±2.5%	±2.5%	
SETUP, RISE, HOLD TIME	100ms, 50ms, 20ms at full load							
INPUT	VOLTAGE RANGE	90 ~ 264VAC 135~370VDC						
	FREQUENCY RANGE	47~63Hz						
	EFFICIENCY (Typ.)	63%	74%	75%	76%	78%	80%	80%
	AC CURRENT	0.3A / 110VAC						
	INRUSH CURRENT (max.)	30A / 230VAC						
LEAKAGE CURRENT(max.)	0.75mA / 240VAC							
PROTECTION	OVER LOAD	150~250% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed						
	OVER VOLTAGE	140~170%	115~150%	Protection type : Clamp by zener diode				
ENVIRONMENT	WORKING TEMP.	0~+50°C (Refer to output load derating curve)						
	WORKING HUMIDITY	20%~90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-20~+85°C, 10~95% RH						
	TEMP. COEFFICIENT	±0.04% / °C (0~50°C)						
	VIBRATION	10~200Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes						
SAFETY & EMC (Note. 6)	SAFETY STANDARDS	UL1950, CSA22.2, TUV EN60950 Approved						
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG:100M Ohms / 500VDC						
	EMI CONDUCTION & RADIATION	Compliance to EN55022(CISPR22) class B, FCC part 15 class B						
OTHERS	HARMONIC CURRENT	Compliance to EN61000-3-2,-3						
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11,ENV50204, Light industry level, criteria A						
	MTBF	600khrs min. MIL-HDBK-217F(25°C)						
CONNECTOR	DIMENSION	65*49*33mm (L*W*H)						
	PACKING	140g ; 110pcs / 20kg / CARTON						
	PLUG	Standard type P2I: 2.1φ * 5.5φ * 9.5mm, center positive for stock ; Other type available by customer requested						
NOTE	CABLE	Standard type AWM1185 6ft for stock ; Other type available by customer requested						
	1.All parameters are specified at 110VAC input, rated load, 25°C 70% RH. Ambient. 2.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. 3.Tolerance: includes set up tolerance, line regulation, load regulation. 4.Line regulation is measured from low line to high line at rated load. 5.Load regulation is measured from 0% to 100% rated load. 6.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.							

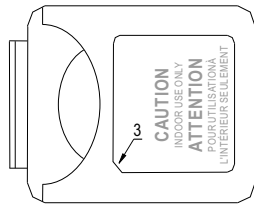
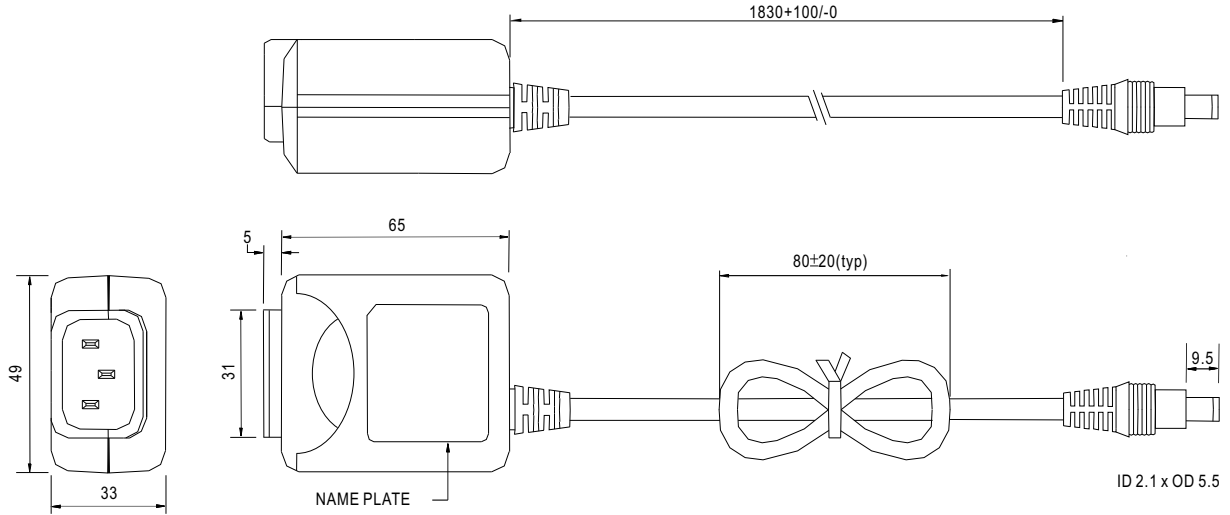


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■ Mechanical Specification

Unit:mm

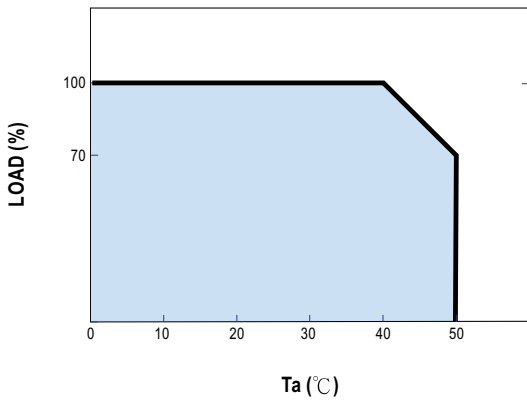


■ Plug Assignment

Standard plug: P2I (option)

P2I	
P/N	OUTPUT
CENTER	+

■ Derating Curve



■ Static Characteristics

