



■ Features :

- Universal AC input / Full range
- 3 pole AC inlet IEC320-C14
- Protections: Short circuit / Overload / Over voltage/ Over temperature
- Fully enclosed plastic case
- Approvals: UL / CUL / PSE / TUV / BSMI / CCC / CB / FCC / CE
- Class I power (with earth pin)
- Pass LPS
- LED indicator for power on
- No load power consumption<0.3W
- ErP step2 compliant
- NRCan compliant
- Meet EISA 2007 (Energy Independence and Security Act)
- 2 years warranty

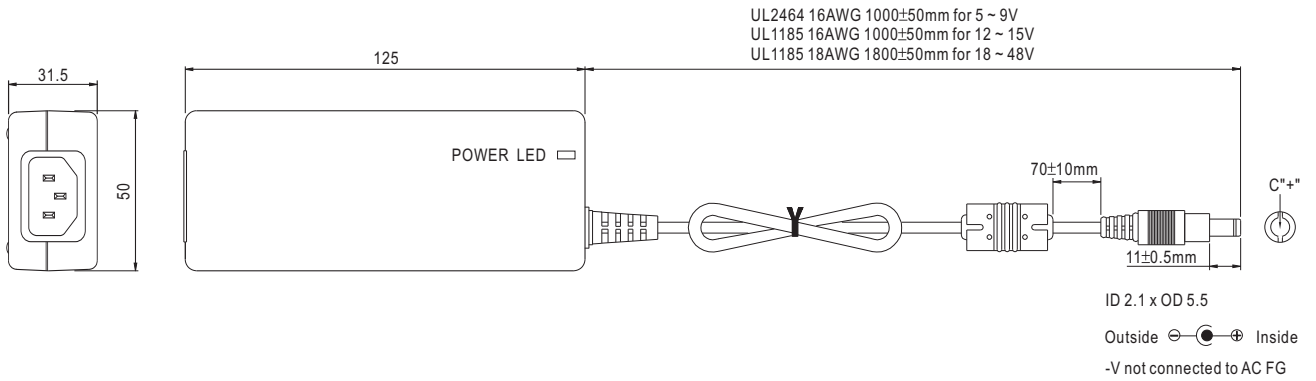


SPECIFICATION

ORDER NO.	GS60A05-P1J	GS60A07-P1J	GS60A09-P1J	GS60A12-P1J	GS60A15-P1J	GS60A18-P1J	GS60A24-P1J	GS60A48-P1J				
OUTPUT	SAFETY MODEL NO.		GS60A05	GS60A07	GS60A09	GS60A12	GS60A15	GS60A18	GS60A24	GS60A48		
	DC VOLTAGE	Note.2	5V	7.5V	9V	12V	15V	18V	24V	48V		
	RATED CURRENT		6A	6A	6A	5A	4A	3.33A	2.5A	1.25A		
	CURRENT RANGE		0 ~ 6A	0 ~ 6A	0 ~ 6A	0 ~ 5A	0 ~ 4A	0 ~ 3.33A	0 ~ 2.5A	0 ~ 1.25A		
	RATED POWER (max.)		30W	45W	54W	60W	60W	60W	60W	60W		
	RIPPLE & NOISE (max.)	Note.3	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	150mVp-p	180mVp-p	240mVp-p		
	VOLTAGE TOLERANCE	Note.4	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%	±2.5%		
	LINE REGULATION	Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%		
	LOAD REGULATION		±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%	±2.5%		
	SETUP, RISE TIME	Note.7	1000ms, 30ms / 230VAC    1000ms, 30ms / 115VAC at full load									
HOLD UP TIME (Typ.)		50ms / 230VAC    15ms / 115VAC at full load										
INPUT	VOLTAGE RANGE		90 ~ 264VAC		135 ~ 370VDC							
	FREQUENCY RANGE		47 ~ 63Hz									
	EFFICIENCY (Typ.)		81%	85.5%	87.5%	88%	88.5%	88.5%	90%	92%		
	AC CURRENT (Typ.)		1.4A / 115VAC		1A / 230VAC							
	INRUSH CURRENT (max.)		65A / 230VAC									
	LEAKAGE CURRENT(max.)		0.75mA / 240VAC									
PROTECTION	OVERLOAD		105 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed									
	OVER VOLTAGE		5.25 ~ 6.75V	7.88 ~ 10.13V	9.45 ~ 12.15V	12.6 ~ 16.2V	15.75 ~ 20.25V	18.9 ~ 24.3V	25.2 ~ 32.4V	50.4 ~ 64.8V		
	OVER TEMPERATURE		RTH2 > 70°C Protection type : Shut down o/p voltage, re-power on to recover									
ENVIRONMENT	WORKING TEMP.		-30 ~ +60°C (Refer to "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. 6)	SAFETY STANDARDS		UL60950-1, TUV EN60950-1, BSMI CNS14336, CCC GB4943, J60950-1(except for 48V) 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 EN55022 class B, EN61000-3-2,3, FCC PART 15 / CISPR22 class B, CNS13438 class B, GB9254 class B, GB17625.1									
	EMC IMMUNITY		Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A									
OTHERS	MTBF		711K hrs min. MIL-HDBK-217F(25°C)									
	DIMENSION		125*50*31.5mm (L*W*H)									
	PACKING		0.305Kg; 40pcs/13.02Kg/1.05CUFT									
CONNECTOR	PLUG		Standard type P1J: 2.1φ * 5.5φ * 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	<ol style="list-style-type: none"> <li>1. All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient.</li> <li>2. DC voltage: The output voltage set at point measure by plug terminal &amp; 50% load.</li> <li>3. Ripple &amp; noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf &amp; 47uf capacitor.</li> <li>4. Tolerance: includes set up tolerance, line regulation, load regulation.</li> <li>5. Line regulation is measured from low line to high line at rated load.</li> <li>6. 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.</li> <li>7. 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.</li> </ol>											

■ Mechanical Specification

Case No. 974A Unit:mm

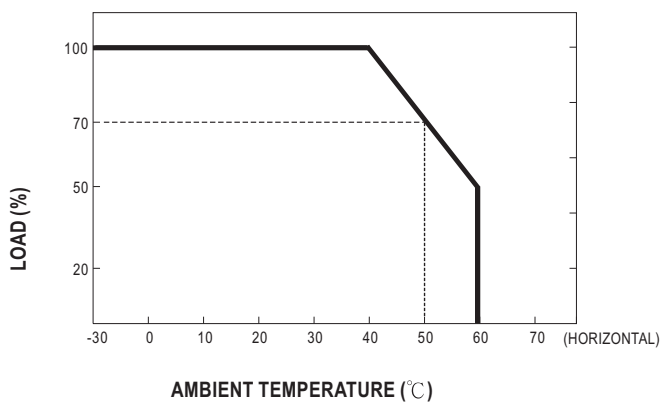


■ Plug Assignment

Standard plug: P1J

P1J	
P/N	OUTPUT
CENTER	+

■ Derating Curve



■ Static Characteristics

