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**EN:** This Datasheet is presented by the manufacturer.

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- 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 / 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
  - Meet EISA 2007(Energy Independence and Security Act)
  - 2 years warranty

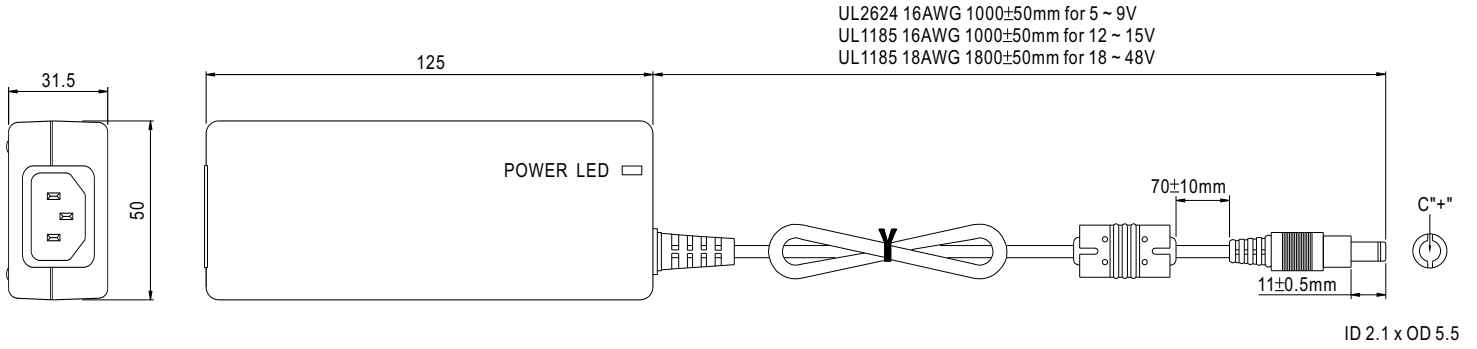


**SPECIFICATION**

ORDER NO.	GS60A05-P1J	GS60A07-P1J	GS60A09-P1J	GS60A12-P1J	GS60A15-P1J	GS60A18-P1J	GS60A24-P1J	GS60A48-P1J	
<b>OUTPUT</b>	<b>SAFETY MODEL NO.</b>	GS60A05	GS60A07	GS60A09	GS60A12	GS60A15	GS60A18	GS60A24	GS60A48
	<b>DC VOLTAGE</b> Note.2	5V	7.5V	9V	12V	15V	18V	24V	48V
	<b>RATED CURRENT</b>	6A	6A	6A	5A	4A	3.33A	2.5A	1.25A
	<b>CURRENT RANGE</b>	0 ~ 6A	0 ~ 6A	0 ~ 6A	0 ~ 5A	0 ~ 4A	0 ~ 3.33A	0 ~ 2.5A	0 ~ 1.25A
	<b>RATED POWER (max.)</b>	30W	45W	54W	60W	60W	60W	60W	60W
	<b>RIPPLE &amp; NOISE (max.)</b> Note.3	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	150mVp-p	180mVp-p	240mVp-p
	<b>VOLTAGE TOLERANCE</b> Note.4	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%	±2.5%
	<b>LINE REGULATION</b> Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	<b>LOAD REGULATION</b>	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%	±2.5%
	<b>SETUP, RISE TIME</b> Note.7	1000ms, 30ms / 230VAC      1000ms, 30ms / 115VAC at full load							
<b>HOLD UP TIME (Typ.)</b>	50ms / 230VAC      15ms / 115VAC at full load								
<b>INPUT</b>	<b>VOLTAGE RANGE</b>	90 ~ 264VAC      135 ~ 370VDC							
	<b>FREQUENCY RANGE</b>	47 ~ 63Hz							
	<b>EFFICIENCY (Typ.)</b>	81%	85.5%	87.5%	88%	88.5%	88.5%	90%	92%
	<b>AC CURRENT</b>	1.4A / 115VAC      1A / 230VAC							
	<b>INRUSH CURRENT (max.)</b>	65A / 230VAC							
<b>LEAKAGE CURRENT(max.)</b>	0.75mA / 240VAC								
<b>PROTECTION</b>	<b>OVERLOAD</b>	105 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed							
	<b>OVER VOLTAGE</b>	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
	<b>OVER TEMPERATURE</b>	RTH2 > 70°C Protection type : Shut down o/p voltage, re-power on to recover							
<b>ENVIRONMENT</b>	<b>WORKING TEMP.</b>	-30 ~ +50°C (Refer to output load derating curve)							
	<b>WORKING HUMIDITY</b>	20% ~ 90% RH non-condensing							
	<b>STORAGE TEMP., HUMIDITY</b>	-40 ~ +85°C, 10 ~ 95% RH							
	<b>TEMP. COEFFICIENT</b>	±0.03% / °C (0 ~ 50°C)							
	<b>VIBRATION</b>	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes							
<b>SAFETY &amp; EMC (Note. 6)</b>	<b>SAFETY STANDARDS</b>	UL60950-1, TUV EN60950-1, BSMI CNS14336, CCC GB4943 approved							
	<b>WITHSTAND VOLTAGE</b>	I/P-O/P:3KVAC    I/P-FG:1.5KVAC    O/P-FG:0.5KVAC							
	<b>ISOLATION RESISTANCE</b>	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH							
	<b>EMI CONDUCTION &amp; RADIATION</b>	Compliance to EN55022 class B, FCC PART 15 / CISPR22 class B, CNS13438 class B, GB9254 class B							
	<b>HARMONIC CURRENT</b>	Compliance to EN61000-3-2,3, GB17625.1							
<b>OTHERS</b>	<b>EMM IMMUNITY</b>	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A							
	<b>MTBF</b>	711Khrs min. MIL-HDBK-217F(25°C)							
	<b>DIMENSION</b>	125*50*31.5mm (L*W*H)							
<b>CONNECTOR</b>	<b>PACKING</b>	0.305Kg; 40pcs/13.02Kg/1.05CUFT							
	<b>PLUG</b>	Standard type P1J: 2.1φ * 5.5φ * 11mm, tuning fork type, center positive for stock ; Other type available by customer requested							
<b>CABLE</b>	See page 2 ; Other type available by customer requested								
<b>NOTE</b>	1. All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient. 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. 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. 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.								

■ Mechanical Specification

Case No. 974A Unit:mm

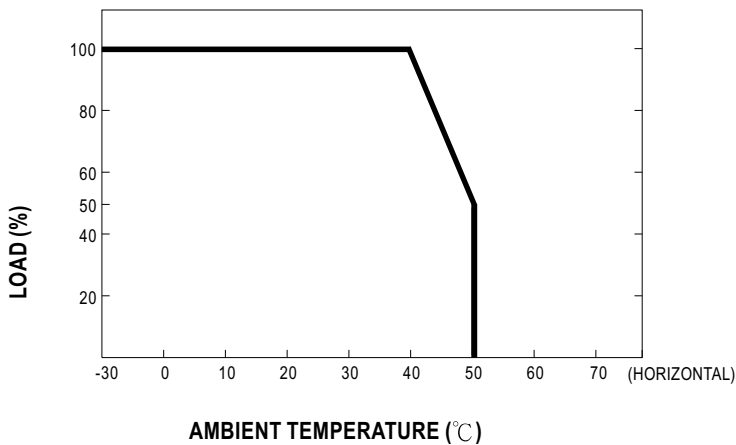


■ Plug Assignment

Standard plug: P1J (option)

P1J	
P/N	OUTPUT
CENTER	+

■ Derating Curve



■ Static Characteristics

