



### ■ Features :

- Universal AC input / Full range
- 3 pole AC inlet IEC320-C14
- Protections: Short circuit / Overload / Over voltage
- 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 (level V)
- NRCan compliant
- MEPS compliant
- Meet EISA 2007 (Energy Independence and Security Act)
- 2 years warranty

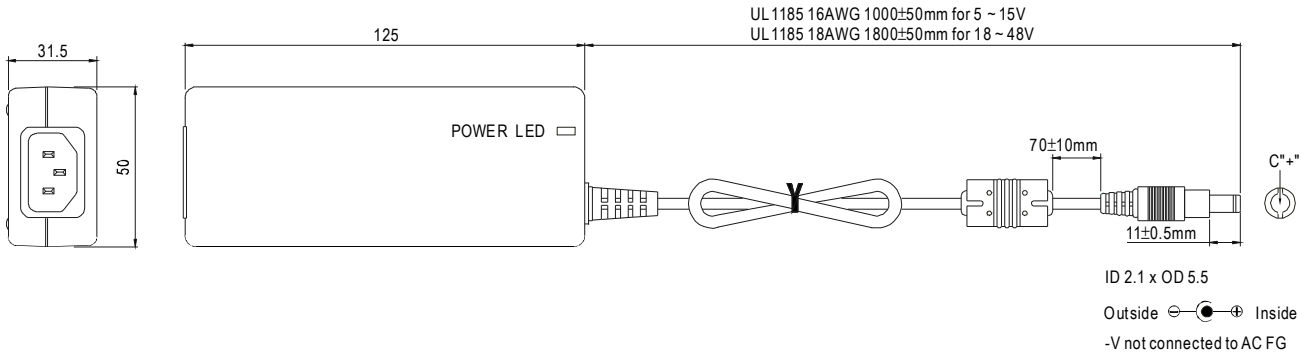


### SPECIFICATION

ORDER NO.	GS40A05-P1J	GS40A07-P1J	GS40A09-P1J	GS40A12-P1J	GS40A15-P1J	GS40A18-P1J	GS40A24-P1J	GS40A48-P1J		
OUTPUT	<b>SAFETY MODEL NO.</b>	GS40A05	GS40A07	GS40A09	GS40A12	GS40A15	GS40A18	GS40A24	GS40A48	
	<b>DC VOLTAGE</b> <small>Note.2</small>	5V	7.5V	9V	12V	15V	18V	24V	48V	
	<b>RATED CURRENT</b>	5A	5.34A	4.45A	3.34A	2.67A	2.22A	1.67A	0.84A	
	<b>CURRENT RANGE</b>	0 ~ 5A	0 ~ 5.34A	0 ~ 4.45A	0 ~ 3.34A	0 ~ 2.67A	0 ~ 2.22A	0 ~ 1.67A	0 ~ 0.84A	
	<b>RATED POWER (max.)</b>	25W	40W	40W	40W	40W	40W	40W	40W	
	<b>RIPPLE &amp; NOISE (max.)</b> <small>Note.3</small>	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	150mVp-p	180mVp-p	240mVp-p	
	<b>VOLTAGE TOLERANCE</b> <small>Note.4</small>	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.5%	±2.5%	
	<b>LINE REGULATION</b> <small>Note.5</small>	±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%	±2.5%	±2.5%	
	<b>SETUP, RISE TIME</b> <small>Note.7</small>	1000ms, 30ms / 230VAC    1000ms, 30ms / 115VAC at full load								
<b>HOLD UP TIME (Typ.)</b>	50ms / 230VAC    15ms / 115VAC at full load									
INPUT	<b>VOLTAGE RANGE</b>	90 ~ 264VAC    127 ~ 370VDC								
	<b>FREQUENCY RANGE</b>	47 ~ 63Hz								
	<b>EFFICIENCY (Typ.)</b>	80.5%	85.5%	85%	89%	89.5%	90%	91%	92%	
	<b>AC CURRENT (Typ.)</b>	1A / 115VAC    0.5A / 230VAC								
	<b>INRUSH CURRENT (max.)</b>	65A / 230VAC								
	<b>LEAKAGE CURRENT(max.)</b>	0.75mA / 240VAC								
PROTECTION	<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	
ENVIRONMENT	<b>WORKING TEMP.</b>	-30 ~ +60°C (Refer to "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								
SAFETY & EMC (Note. 6)	<b>SAFETY STANDARDS</b>	UL60950-1, TUV EN60950-1, BSMI CNS14336, CCC GB4943, J60950-1(except for 48V) approved								
	<b>WITHSTAND VOLTAGE</b>	I/P-O/P:3KVAC    I/P-FG:2KVAC    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>EMC EMISSION</b>	Compliance to EN55022 class B, EN61000-3-2,3, FCC PART 15 / CISPR22 class B, CNS13438 class B, GB9254, GB17625.1								
OTHERS	<b>EMC IMMUNITY</b>	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A								
	<b>MTBF</b>	711K hrs min. MIL-HDBK-217F(25°C)								
	<b>DIMENSION</b>	125*50*31.5mm (L*W*H)								
	<b>PACKING</b>	0.28Kg; 40pcs/12.02Kg/1.05CUFT								
CONNECTOR	<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								
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. GS60A Unit:mm

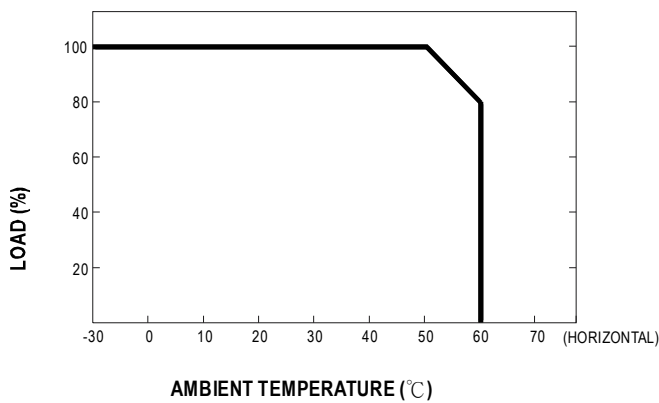


■ Plug Assignment

Standard plug: P1J

P1J	
P/N	OUTPUT
CENTER	+

■ Derating Curve



■ Static Characteristics

