



■ 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
- NRCan compliant
- Meet EISA 2007 (Energy Independence and Security Act)
- 2 years warranty

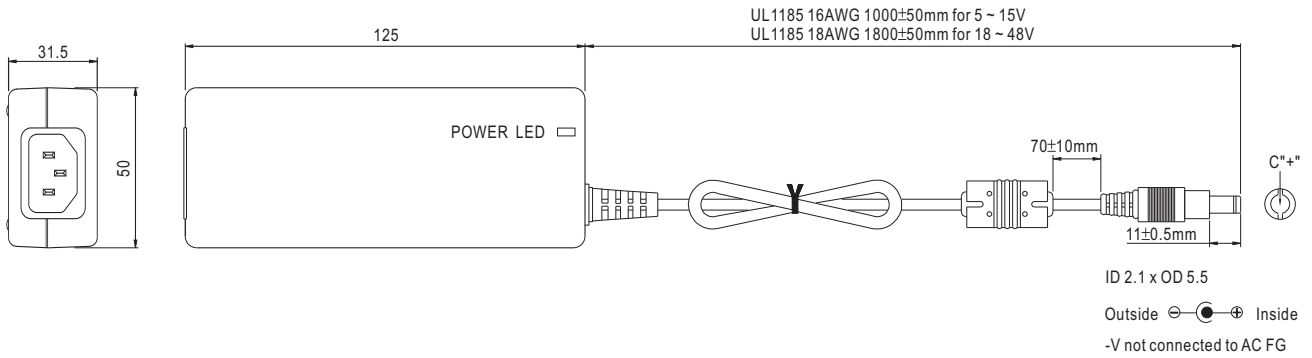


SPECIFICATION

| ORDER NO.              | GS40A05-P1J   | GS40A07-P1J   | GS40A09-P1J   | GS40A12-P1J   | GS40A15-P1J  | GS40A18-P1J    | GS40A24-P1J  | GS40A48-P1J  |              |  |
|------------------------|---|---|---------------|---------------|--------------|----------------|--------------|--------------|--------------|--|
| OUTPUT                 | SAFETY MODEL NO.  | GS40A05   | GS40A07       | GS40A09       | GS40A12      | GS40A15        | GS40A18      | GS40A24      | GS40A48      |  |
|                        | DC VOLTAGE <small>Note.2</small>  | 5V  | 7.5V          | 9V            | 12V          | 15V            | 18V          | 24V          | 48V          |  |
|                        | RATED CURRENT   | 5A  | 5.34A         | 4.45A         | 3.34A        | 2.67A          | 2.22A        | 1.67A        | 0.84A        |  |
|                        | CURRENT RANGE   | 0 ~ 5A  | 0 ~ 5.34A     | 0 ~ 4.45A     | 0 ~ 3.34A    | 0 ~ 2.67A      | 0 ~ 2.22A    | 0 ~ 1.67A    | 0 ~ 0.84A    |  |
|                        | RATED POWER (max.)  | 25W   | 40W           | 40W           | 40W          | 40W            | 40W          | 40W          | 40W          |  |
|                        | RIPPLE & NOISE (max.) <small>Note.3</small>   | 100mVp-p  | 100mVp-p      | 100mVp-p      | 100mVp-p     | 100mVp-p       | 150mVp-p     | 180mVp-p     | 240mVp-p     |  |
|                        | VOLTAGE TOLERANCE <small>Note.4</small>   | ±5.0%   | ±5.0%         | ±5.0%         | ±3.0%        | ±3.0%          | ±3.0%        | ±2.5%        | ±2.5%        |  |
|                        | LINE REGULATION <small>Note.5</small>   | ±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%        | ±2.5%        | ±2.5%        |  |
|                        | SETUP, RISE TIME <small>Note.7</small>  | 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    127 ~ 370VDC   |               |               |              |                |              |              |              |  |
|                        | FREQUENCY RANGE   | 47 ~ 63Hz   |               |               |              |                |              |              |              |  |
|                        | EFFICIENCY (Typ.)   | 80.5%   | 85.5%         | 85%           | 89%          | 89.5%          | 90%          | 91%          | 92%          |  |
|                        | AC CURRENT (Typ.)   | 1A / 115VAC    0.5A / 230VAC  |               |               |              |                |              |              |              |  |
|                        | INRUSH CURRENT (max.)   | 65A / 230VAC  |               |               |              |                |              |              |              |  |
| LEAKAGE CURRENT(max.)  | 0.75mA / 240VAC   |   |               |               |              |                |              |              |              |  |
| PROTECTION             | OVERLOAD  | 105 ~ 150% rated output power<br>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 |  |
| 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        |               |               |              |                |              |              |              |  |
| OTHERS                 | EMC IMMUNITY  | Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A  |               |               |              |                |              |              |              |  |
|                        | MTBF  | 711K hrs min. MIL-HDBK-217F(25°C)   |               |               |              |                |              |              |              |  |
|                        | DIMENSION   | 125*50*31.5mm (L*W*H)   |               |               |              |                |              |              |              |  |
| CONNECTOR              | PACKING   | 0.28Kg; 40pcs/12.02Kg/1.05CUFT  |               |               |              |                |              |              |              |  |
|                        | 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

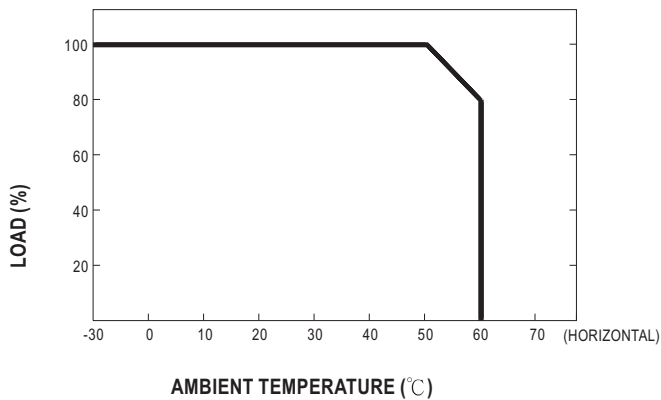


■ Plug Assignment

Standard plug: P1J

| P1J    |        |
|--------|--------|
| P/N    | OUTPUT |
| CENTER | +      |

■ Derating Curve



■ Static Characteristics

