



Features :

- Universal AC input / Full range
- No load power consumption<0.5W
- ErP step1 compliant
- Meet EISA 2007 (Energy Independence and Security Act)
- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- LED indicator for power on
- Approvals: UL / CUL / TUV / BSMI / CB / FCC / CE
- Pass LPS
- 2 years warranty



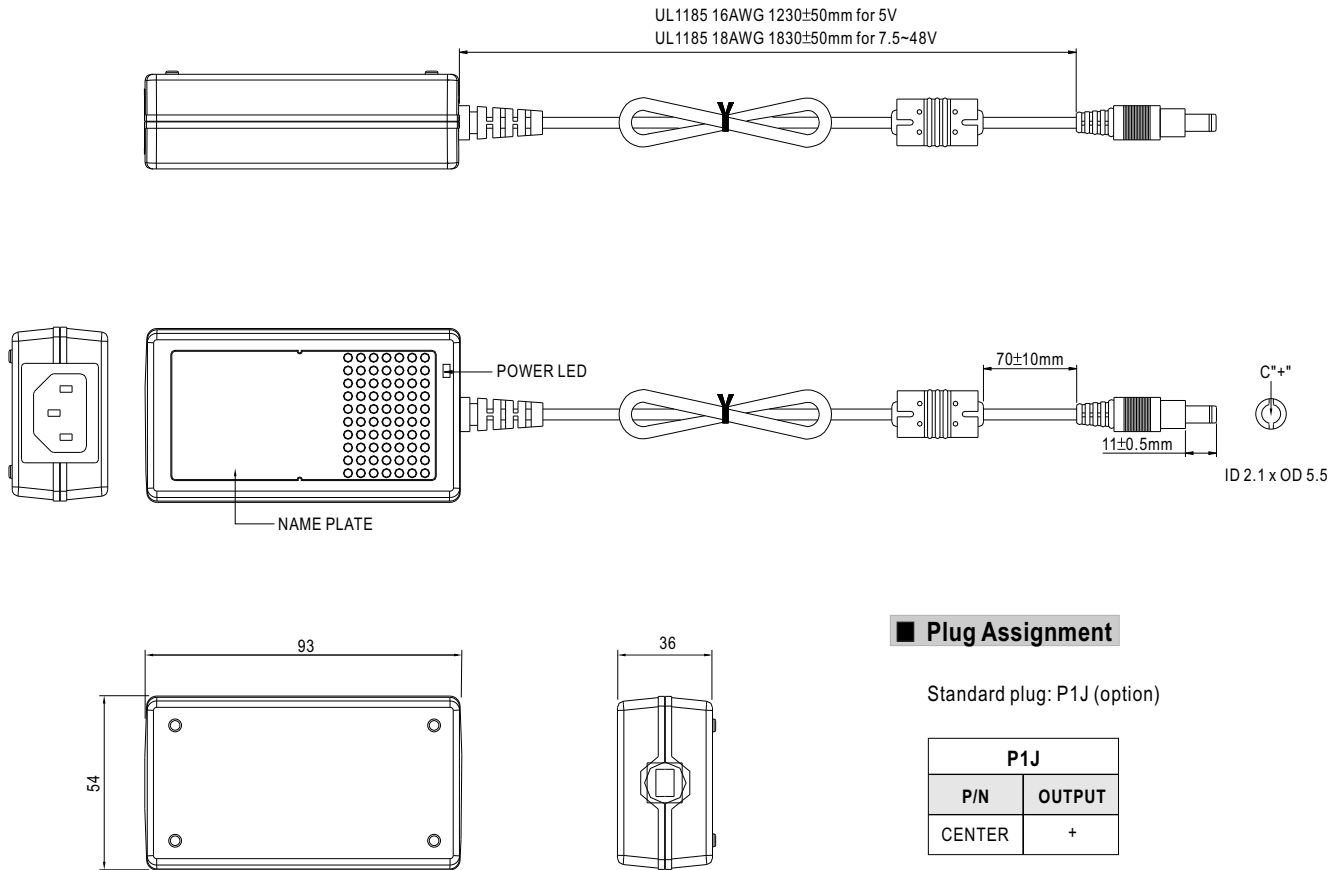
SPECIFICATION

ORDER NO.		GS18A05-P1J	GS18A07-P1J	GS18A09-P1J	GS18A12-P1J	GS18A15-P1J	GS18A18-P1J	GS18A24-P1J	GS18A28-P1J	GS18A48-P1J
OUTPUT	SAFETY MODEL NO.	GS18A05	GS18A07	GS18A09	GS18A12	GS18A15	GS18A18	GS18A24	GS18A28	GS18A48
	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V	28V	48V
	RATED CURRENT	3.0A	2.0A	2.0A	1.50A	1.20A	1.0A	0.75A	0.64A	0.375A
	CURRENT RANGE	0 ~ 3.0A	0 ~ 2.0A	0 ~ 2.0A	0 ~ 1.50A	0 ~ 1.20A	0 ~ 1.0A	0 ~ 0.75A	0 ~ 0.64A	0 ~ 0.375A
	RATED POWER (max.)	15W	15W	18W	18W	18W	18W	18W	18W	18W
	RIPPLE & NOISE (max.) Note.3	50mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	150mVp-p	180mVp-p	240mVp-p	240mVp-p
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%
	LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
INPUT	LOAD REGULATION Note.6	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%
	SETUP, RISE, HOLD UP TIME	500ms, 20ms, 50ms/230VAC 500ms, 20ms, 15ms/115VAC at full load								
	VOLTAGE RANGE	90 ~ 264VAC 135 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
	EFFICIENCY (Typ.)	76.5%	80%	80.5%	81%	82%	83%	85%	85%	85%
	AC CURRENT	0.5A / 100VAC								
PROTECTION	INRUSH CURRENT (max.)	45A / 230VAC								
	LEAKAGE CURRENT(max.)	0.75mA / 240VAC								
	OVERLOAD	110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed								
ENVIRONMENT	OVER VOLTAGE	105 ~ 135% rated output voltage Protection type : Clamp by zener diode, output short								
	WORKING TEMP.	0 ~ +50℃ (Refer to output load derating curve)								
	WORKING HUMIDITY	20% ~ 90% RH non-condensing								
SAFETY & EMC (Note. 7)	STORAGE TEMP., HUMIDITY	-20 ~ +85℃, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50℃)								
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes								
OTHERS	SAFETY STANDARDS	UL60950-1, CSA C22.2, TUV EN60950-1, BSMI CNS14336								
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC, I/P-FG:2121VDC								
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG:100M Ohms / 500VDC / 25℃ / 70% RH								
	EMI CONDUCTION & RADIATION	Compliance to EN55022 class B, FCC PART 15 / CISPR22 class B, CNS13438 class B								
	HARMONIC CURRENT	Compliance to EN61000-3-2,3								
CONNECTOR	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A								
	MTBF	500Khrs min. MIL-HDBK-217F(25℃)								
	DIMENSION	93*54*36mm (L*W*H)								
NOTE	PACKING	230g ; 60pcs / 15kg / CARTON								
	PLUG	See page2								
CABLE	CABLE	See page2								

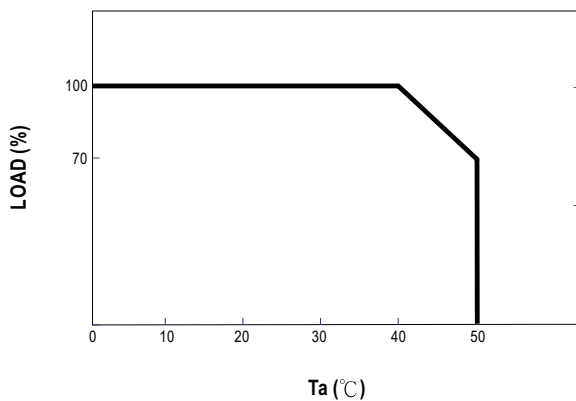
1.All parameters are specified at 230VAC input, rated load, 25℃ 70% RH ambient.
2.DC voltage: The output voltage set at point measure by plug terminal & 50% load.
3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor.
4.Tolerance: includes set up tolerance, line regulation, load regulation.
5.Line regulation is measured from low line to high line at rated load.
6.Load regulation is measured from 20% to 100% rated load
7.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.

■ Mechanical Specification

Unit:mm



■ Derating Curve



■ Static Characteristics

