



■ Features :

- Universal AC input / Full range
- No load power consumption < 0.5W
- Meet EISA 2007 (Energy Independence and Security Act) for 5 ~ 48V
- 2 pole EURO plug
- Class II power (without earth pin)
- Full output 3~48V safety approval
- Protections: Short circuit / Over load / Over voltage
- Fully enclosed plastic case
- LED indicator for power on
- Approvals: TUV / CB / CE
- Pass LPS
- 2 years warranty

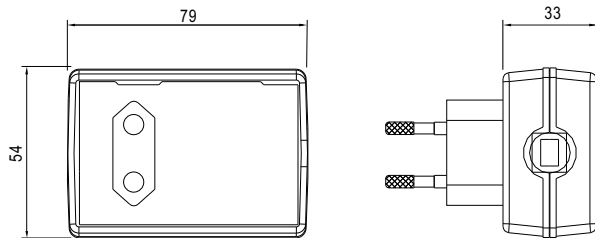
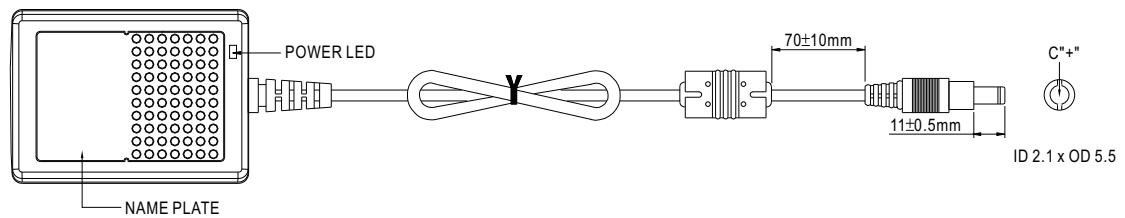
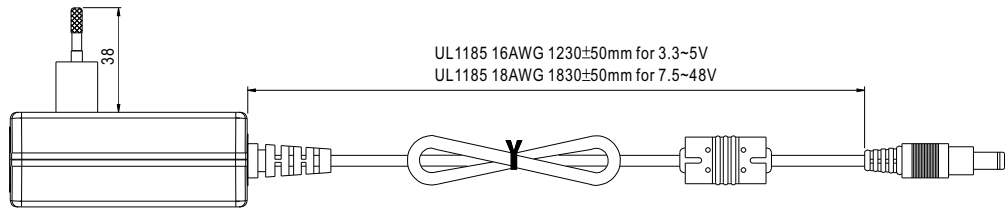


SPECIFICATION

ORDER NO.		GS18E03-P1J	GS18E05-P1J	GS18E07-P1J	GS18E09-P1J	GS18E12-P1J	GS18E15-P1J	GS18E18-P1J	GS18E24-P1J	GS18E28-P1J	GS18E48-P1J	
OUTPUT	SAFETY MODEL NO.	GS18E03	GS18E05	GS18E07	GS18E09	GS18E12	GS18E15	GS18E18	GS18E24	GS18E28	GS18E48	
	DC VOLTAGE <small>Note.2</small>	3.3V	5V	7.5V	9V	12V	15V	18V	24V	28V	48V	
	RATED CURRENT	3.0A	3.0A	2.0A	2.0A	1.50A	1.20A	1.0A	0.75A	0.64A	0.375A	
	CURRENT RANGE	0 ~ 3.0A	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.)	10W	15W	15W	18W	18W	18W	18W	18W	18W	18W	
	RIPPLE & NOISE (max.) <small>Note.3</small>	50mVp-p	50mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	150mVp-p	180mVp-p	240mVp-p	240mVp-p	
	VOLTAGE TOLERANCE <small>Note.4</small>	±5.0%	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%	
	LINE REGULATION <small>Note.5</small>	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	LOAD REGULATION <small>Note.6</small>	±5.0%	±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											
INPUT	VOLTAGE RANGE	90 ~ 264VAC 135 ~ 370VDC										
	FREQUENCY RANGE	47 ~ 63Hz										
	EFFICIENCY (Typ.)	68%	73%	79%	79%	81%	81%	82%	84%	84%	85%	
	AC CURRENT	0.5A / 100VAC										
	INRUSH CURRENT (max.)	45A / 230VAC										
PROTECTION	OVERLOAD	110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed										
	OVER VOLTAGE	105 ~ 135% rated output voltage Protection type : Clamp by zener diode, output short										
	WORKING TEMP.	0 ~ +50°C (Refer to output load derating curve)										
ENVIRONMENT	WORKING HUMIDITY	20% ~ 90% RH non-condensing										
	STORAGE TEMP., HUMIDITY	-20 ~ +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 <small>(Note. 7)</small>	SAFETY STANDARDS	TUV EN60950-1 approved										
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC										
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH										
	EMI CONDUCTION & RADIATION	Compliance to EN55022 class B										
	HARMONIC CURRENT	Compliance to EN61000-3-2,3										
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A										
OTHERS	MTBF	500Khrs min. MIL-HDBK-217F(25°C)										
	DIMENSION	79*54*33mm (L*W*H)										
	PACKING	210g ; 60pcs / 13.5kg / CARTON										
CONNECTOR	PLUG	Standard type P1J: 2.1φ * 5.5φ * 11mm, tuning fork type, centre positive for stock ; Other type available by customer requested										
	CABLE	Standard type UL1185 6ft (4FT for 3.3 ~ 5V output) for stock ; Other type available by customer requested										
NOTE	<p>1.All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient.</p> <p>2.DC voltage: The output voltage set at point measure by plug terminal & 50% load.</p> <p>3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor.</p> <p>4.Tolerance: includes set up tolerance, line regulation, load regulation.</p> <p>5.Line regulation is measured from low line to high line at rated load.</p> <p>6.Load regulation is measured from 20% to 100% rated load</p> <p>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.</p>											

■ Mechanical Specification

Unit:mm

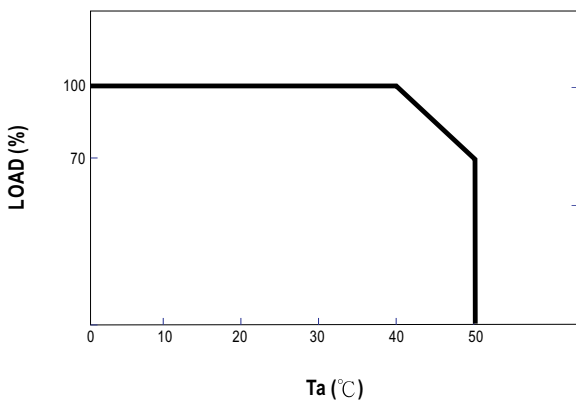


■ Plug Assignment

Standard plug: P1J (option)

P1J	
P/N	OUTPUT
CENTER	+

■ Derating Curve



■ Static Characteristics

