



15~18W AC-DC Single Output Desktop

GS18B series



■ Features :

- Universal AC input / Full range
- No load power consumption<0.3W
- ErP step2 compliant
- Meet EISA 2007 (Energy Independence and Security Act)
- 2 pole AC inlet IEC320-C8
- Class II power (without earth pin)
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- LED indicator for power on
- Approvals: UL / CUL / TUV / BSMI / CCC / CB / FCC / CE
- Pass LPS
- 2 years warranty



SPECIFICATION

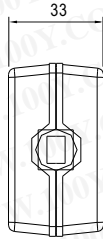
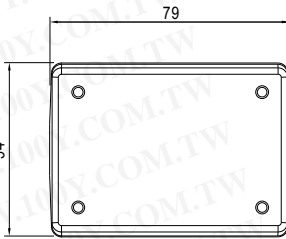
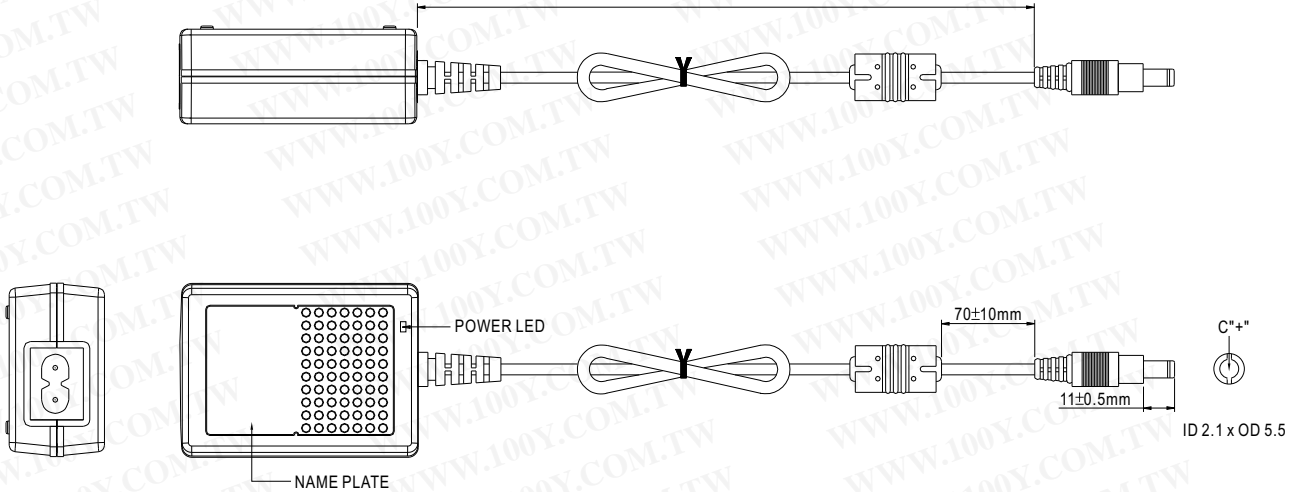
ORDER NO.	GS18B05-P1J	GS18B07-P1J	GS18B09-P1J	GS18B12-P1J	GS18B15-P1J	GS18B18-P1J	GS18B24-P1J	GS18B28-P1J	GS18B48-P1J		
OUTPUT	SAFETY MODEL NO.		GS18B05	GS18B07	GS18B09	GS18B12	GS18B15	GS18B18	GS18B24	GS18B28	GS18B48
	DC VOLTAGE	Note.2	5V	7.5V	9V	12V	15V	18V	24V	28V	48V
	RATED CURRENT		3.0A	2.0A	2.0A	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%
	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									
INPUT	VOLTAGE RANGE		90 ~ 264VAC 135 ~ 370VDC								
	FREQUENCY RANGE		47 ~ 63Hz								
	EFFICIENCY (Typ.)		79.5%	82%	83%	85%	85%	85%	86%	86.5%	87%
	AC CURRENT		0.5A / 100VAC								
	INRUSH CURRENT (max.)		45A / 230VAC								
LEAKAGE CURRENT(max.)		0.25mA / 240VAC									
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								
ENVIRONMENT	WORKING TEMP.		0 ~ +50°C (Refer to "Derating Curve")								
	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 (Note. 7)	SAFETY STANDARDS		UL60950-1, CSA C22.2, TUV EN60950-1, BSMI CNS14336, CCC GB4943 approved								
	WITHSTAND VOLTAGE		I/P-O/P:4242VDC								
	ISOLATION RESISTANCE		I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH								
	EMC EMISSION		Compliance to EN55022, EN61000-3-2,3, FCC PART 15 / CISPR22 class B, CNS13438 class B, GB9254								
EMC 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		See page2								
	CABLE		See page2								
NOTE	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.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

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
 Http://www.100y.com.tw

UL1185 16AWG 1230±50mm for 5V~12V
 UL1185 18AWG 1830±50mm for 15V~48V

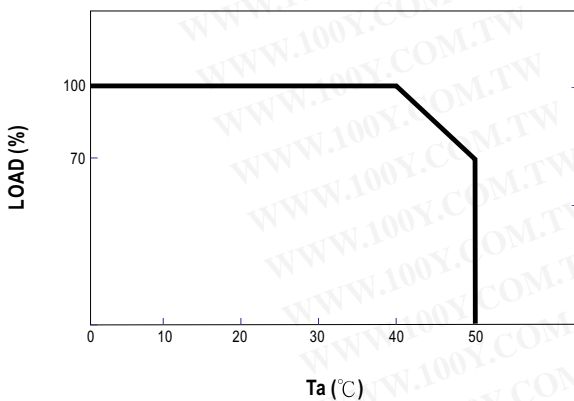


Plug Assignment

Standard plug: P1J

P1J	
P/N	OUTPUT
CENTER	+

Derating Curve



Static Characteristics

