


**■ 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 EURO plug
- Class II power (without earth pin)
- Protections: Short circuit / Overload / Over voltage
- Pass LPS
- Fully enclosed plastic case
- Approvals: TUV / CB / FCC / CE
- 2 years warranty

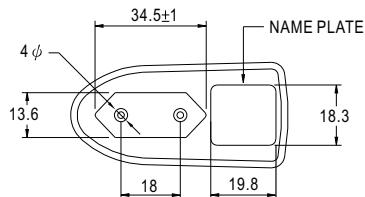

**SPECIFICATION**

ORDER NO.	GS06E-1P1J	GS06E-11P1J	GS06E-2P1J	GS06E-3P1J	GS06E-4P1J	GS06E-5P1J	GS06E-6P1J	GS06E-8P1J	
OUTPUT	<b>SAFETY MODEL NO.</b>	GPSU06E-1	GPSU06E-1-1	GPSU06E-2	GPSU06E-3	GPSU06E-4	GPSU06E-5	GPSU06E-6	GPSU06E-8
	<b>DC VOLTAGE</b> Note.2	5V	7.5V	9V	12V	15V	18V	24V	48V
	<b>RATED CURRENT</b>	1.00A	0.8A	0.66A	0.5A	0.4A	0.33A	0.25A	0.125A
	<b>CURRENT RANGE</b>	0 ~ 1.00A	0 ~ 0.8A	0 ~ 0.66A	0 ~ 0.5A	0 ~ 0.4A	0 ~ 0.33A	0 ~ 0.25A	0 ~ 0.125A
	<b>RATED POWER</b>	5W	6W	6W	6W	6W	6W	6W	6W
	<b>RIPPLE &amp; NOISE (max.)</b> Note.3	50mVp-p	80mVp-p	80mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	200mVp-p
	<b>VOLTAGE ADJ. RANGE</b>	5 ~ 6V	6 ~ 8V	8 ~ 11V	11 ~ 13V	13 ~ 16V	16 ~ 21V	21 ~ 27V	33 ~ 48V
		Fixed							
	<b>VOLTAGE TOLERANCE</b> Note.4	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%
	<b>LINE REGULATION</b> Note.5	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
INPUT	<b>LOAD REGULATION</b> Note.6	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%
	<b>SETUP, RISE, HOLD UP TIME</b>	1000ms, 50ms, 12ms at full load							
PROTECTION	<b>VOLTAGE RANGE</b>	90 ~ 264VAC 127 ~ 370VDC							
	<b>FREQUENCY RANGE</b>	47 ~ 63Hz							
	<b>EFFICIENCY (Typ.)</b> Note.7	68%	74%	75%	77%	78%	78%	82%	84%
	<b>AC CURRENT</b>	0.2A / 100VAC							
	<b>INRUSH CURRENT (max.)</b>	50A / 230VAC							
	<b>LEAKAGE CURRENT(max.)</b>	0.25mA / 240VAC							
ENVIRONMENT	<b>OVERLOAD</b>	>105% rated output voltage power for 5V ; >110% rated output power for 7.5 ~ 48V Protection type : Hiccup mode, recovers automatically after fault condition is removed							
	<b>OVER VOLTAGE</b>	>120% rated output power Protection type : Clamp by zener diode							
SAFETY & EMC (Note. 8)	<b>WORKING TEMP.</b>	0 ~ +40°C (Refer to output load derating curve)							
	<b>WORKING HUMIDITY</b>	20% ~ 90% RH non-condensing							
	<b>STORAGE TEMP., HUMIDITY</b>	-20 ~ +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							
OTHERS	<b>SAFETY STANDARDS</b>	EN60950-1 approved							
	<b>WITHSTAND VOLTAGE</b>	I/P-O/P:4242VDC							
	<b>ISOLATION RESISTANCE</b>	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH							
	<b>EMI CONDUCTION &amp; RADIATION</b>	Compliance to EN55022 class B, FCC Part15 class B							
	<b>HARMONIC CURRENT</b>	Compliance to EN61000-3-2,3							
CONNECTOR	<b>EMS IMMUNITY</b>	Compliance to EN61000-4-2,3,4,5,6,11, light industry level, criteria A							
	<b>MTBF</b>	500Khrs min. MIL-HDBK-217F(25°C)							
	<b>DIMENSION</b>	32*66*42.5mm (L*W*H)							
	<b>PACKING</b>	100g ; 90pcs / 10Kg / CARTON							
NOTE	<b>PLUG</b>	Standard type P1J: 2.1ϕ * 5.5ϕ * 11mm, turning fork type center positive for stock ; Other type available by customer requested							
	<b>CABLE</b>	Standard type 20Awg UL1185 6ft for stock ; Other type available by customer requested							

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 0% to 100% rated load
7. Efficiency is measured at 230VAC.
8. 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

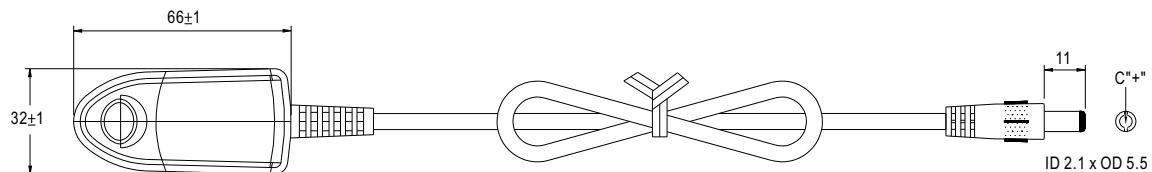
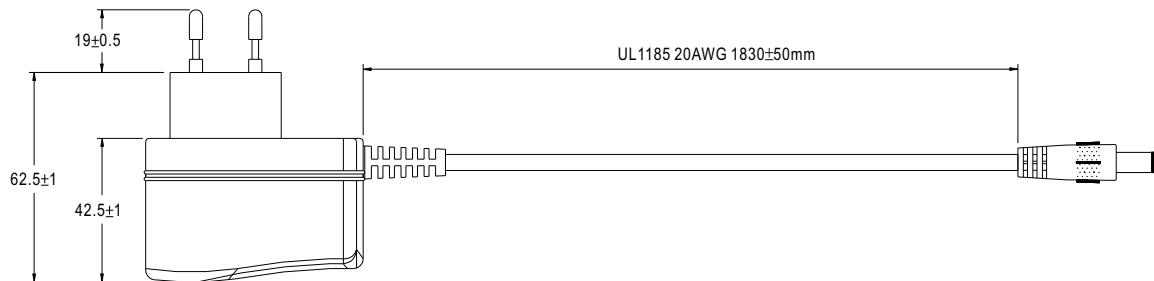
Unit:mm



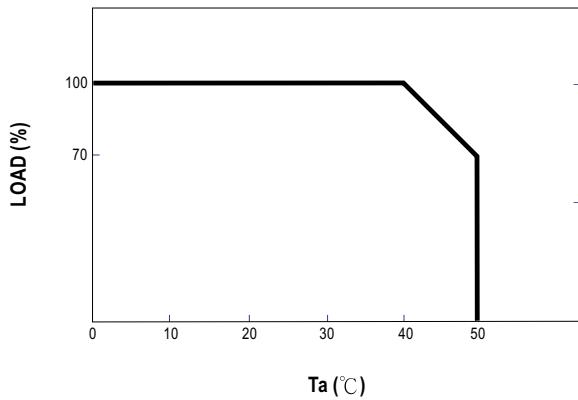
## ■ Plug Assignment

Standard plug: P1J (option)

P1J	
P/N	OUTPUT
CENTER	+



## ■ Derating Curve



## ■ Static Characteristics

