



7.2~15W AC-DC Single Output Desktop

**GS15A** series



■ Features :

- Universal AC input / Full range
- No load power consumption <0.5W
- Meet energy star level IV(CEC) for 5 ~ 48V
- Meet EISA 2007 (Energy Independence and Security Act) for 5 ~ 48V
- 3 pole AC inlet IEC320-C14
- Class I power ( with earth pin)
- Full output 3~48V safety approval
- Protections: Short circuit / Overload / Over voltage
- Pass LPS
- Fully enclosed plastic case
- Approvals: UL / CUL / TUV / CB / FCC / CE
- 2 years warranty

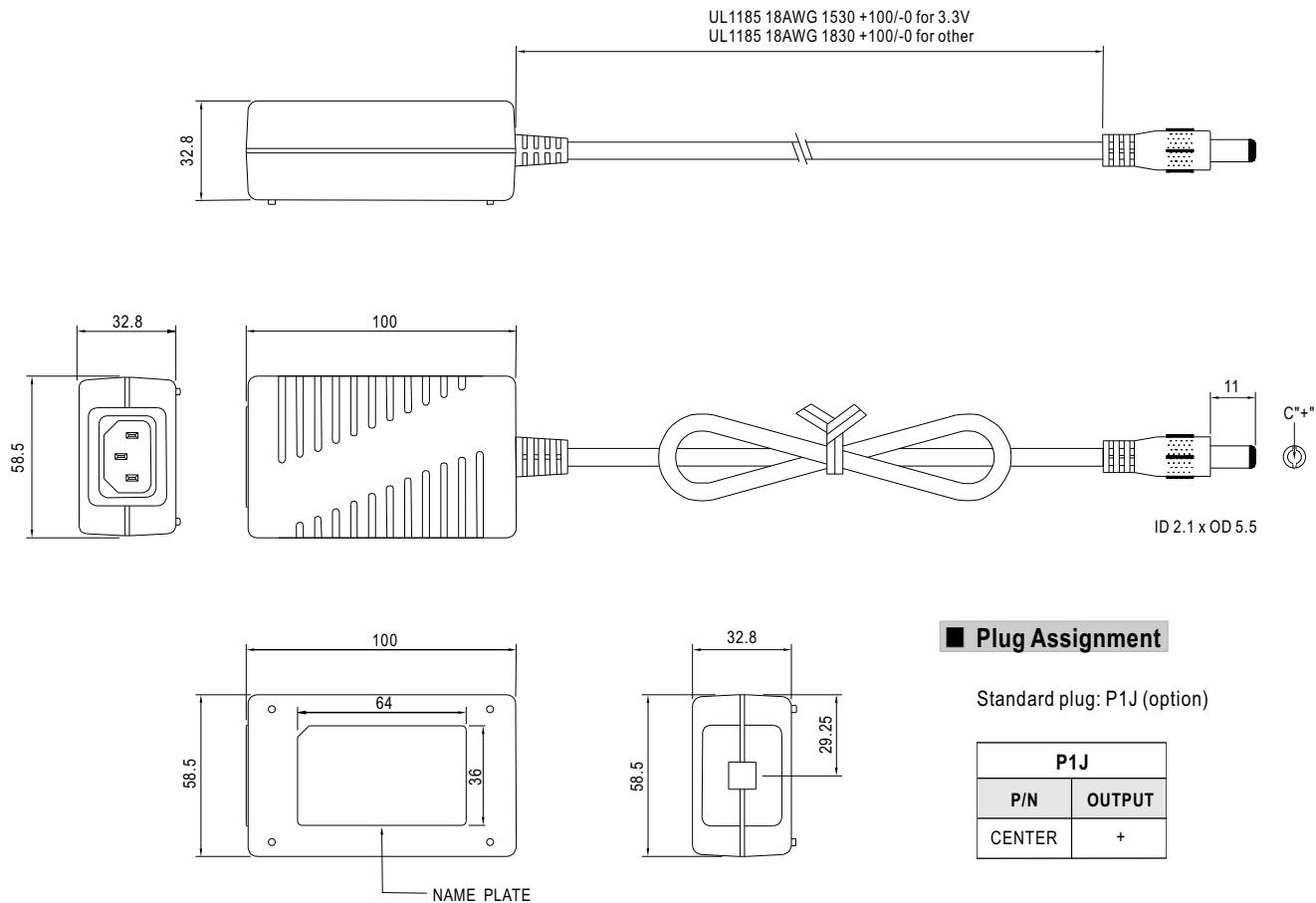


**SPECIFICATION**

ORDER NO.	GS15A-0P1J	GS15A-1P1J	GS15A-11P1J	GS15A-2P1J	GS15A-3P1J	GS15A-4P1J	GS15A-5P1J	GS15A-6P1J	GS15A-8P1J	
OUTPUT	<b>SAFETY MODEL NO.</b>	GPSU15A-0	GPSU15A-1	GPSU15A-1-1	GPSU15A-2	GPSU15A-3	GPSU15A-4	GPSU15A-5	GPSU15A-6	GPSU15A-8
	<b>DC VOLTAGE Note.2</b>	3.3V	5V	7.5V	9V	12V	15V	18V	24V	48V
	<b>RATED CURRENT</b>	2.18A	2.40A	1.60A	1.66A	1.25A	1.00A	0.83A	0.62A	0.31A
	<b>CURRENT RANGE</b>	0 ~ 2.18A	0 ~ 2.40A	0 ~ 1.60A	0 ~ 1.66A	0 ~ 1.25A	0 ~ 1.00A	0 ~ 0.83A	0 ~ 0.62A	0 ~ 0.31A
	<b>RATED POWER</b>	7.2W	12W	12W	15W	15W	15W	15W	15W	15W
	<b>RIPPLE &amp; NOISE (max.) Note.3</b>	50mVp-p	50mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	120mVp-p	150mVp-p	240mVp-p
	<b>VOLTAGE ADJ. RANGE</b>	3 ~ 5V	5 ~ 6V	6 ~ 8V	8 ~ 11V	11 ~ 13V	13 ~ 16V	16 ~ 21V	21 ~ 27V	33 ~ 48V
		Fixed								
	<b>VOLTAGE TOLERANCE Note.4</b>	±6.0%	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%
	<b>LINE REGULATION Note.5</b>	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	<b>LOAD REGULATION Note.6</b>	±6.0%	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%
	<b>SETUP, RISE, HOLD UP TIME</b>	3000ms, 50ms, 16ms at full load								
INPUT	<b>VOLTAGE RANGE</b>	90 ~ 264VAC 135 ~ 370VDC								
	<b>FREQUENCY RANGE</b>	47 ~ 63Hz								
	<b>EFFICIENCY (Typ.) Note.7</b>	55%	65%	72%	74%	76%	77%	78%	80%	81%
	<b>AC CURRENT</b>	0.5A / 100VAC								
	<b>INRUSH CURRENT (max.)</b>	50A / 230VAC								
	<b>LEAKAGE CURRENT(max.)</b>	0.25mA / 240VAC								
PROTECTION	<b>OVERLOAD</b>	105 ~ 250% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed								
	<b>OVER VOLTAGE</b>	>120% rated output voltage Protection type : Clamp by zener diode								
ENVIRONMENT	<b>WORKING TEMP.</b>	0 ~ +50°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								
SAFETY & EMC (Note. 8)	<b>SAFETY STANDARDS</b>	UL60950-1, CSA22.2, EN60950-1 approved								
	<b>WITHSTAND VOLTAGE</b>	I/P-O/P:3KVAC, I/P-FG:1.5KVAC								
	<b>ISOLATION RESISTANCE</b>	I/P-O/P, I/P-FG:100M Ohms / 500VDC / 25°C / 70% RH								
	<b>EMI CONDUCTION &amp; RADIATION</b>	Compliance to EN55022 class B, FCC part 15 Class B								
	<b>HARMONIC CURRENT</b>	Compliance to EN61000-3-2,3								
OTHERS	<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>	100*58.5*32.8mm (L*W*H)								
	<b>PACKING</b>	190g ; 90pcs / 18Kg / CARTON								
	<b>PLUG</b>	Standard type P1J: 2.1φ * 5.5φ * 11mm, tuning fork type center positive for stock ; Other type available by customer requested								
CONNECTOR	<b>CABLE</b>	Standard type 18Awg UL1185 6ft and 5ft for 3.3V output only for stock ; Other type available by customer requested								
	<b>NOTE</b>	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 a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.								

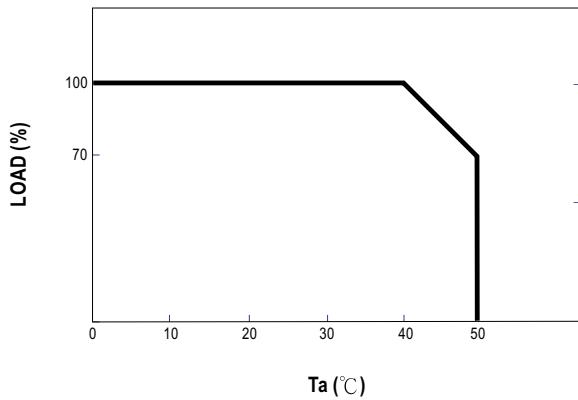
**■ Mechanical Specification**

Unit:mm


**■ Plug Assignment**

Standard plug: P1J (option)

P1J	
P/N	OUTPUT
CENTER	+

**■ Derating Curve**

**■ Static Characteristics**
