

■ Features :

- Universal AC input / Full range
- No load power consumption < 0.5W
- Pass energy star(CEC) level IV for 5~48V output
- 2 pole USA 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: UL/ CUL / BSMI / CB / FCC / CE
- Pass LPS for 9~48V output
- 1 year warranty

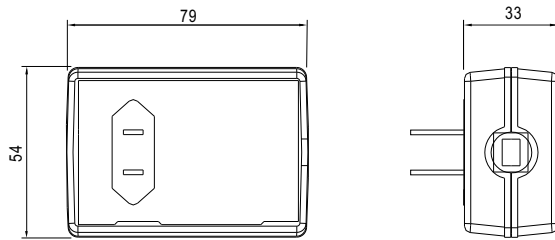
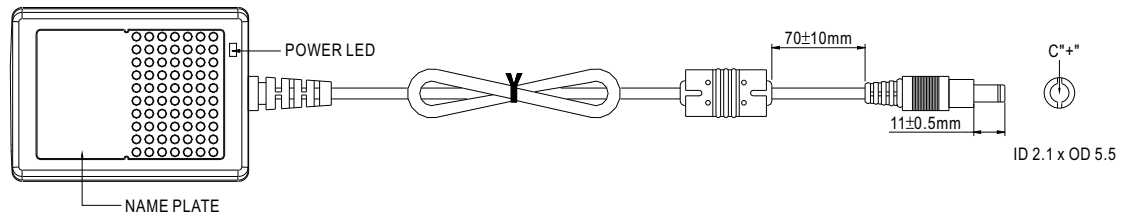
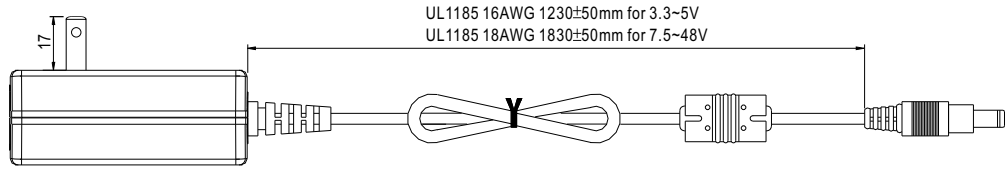


**SPECIFICATION**

ORDER NO.	GS18U03-P1J	GS18U05-P1J	GS18U07-P1J	GS18U09-P1J	GS18U12-P1J	GS18U15-P1J	GS18U18-P1J	GS18U24-P1J	GS18U28-P1J	GS18U48-P1J	
OUTPUT	<b>SAFETY MODEL NO.</b>	GS18U03	GS18U05	GS18U07	GS18U09	GS18U12	GS18U15	GS18U18	GS18U24	GS18U28	GS18U48
	<b>DC VOLTAGE</b> <small>Note.2</small>	3.3V	5V	7.5V	9V	12V	15V	18V	24V	28V	48V
	<b>RATED CURRENT</b>	3.0A	3.0A	2.0A	2.0A	1.50A	1.20A	1.0A	0.75A	0.64A	0.375A
	<b>CURRENT RANGE</b>	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
	<b>RATED POWER (max.)</b>	10W	15W	15W	18W	18W	18W	18W	18W	18W	18W
	<b>RIPPLE &amp; NOISE (max.)</b> <small>Note.3</small>	50mVp-p	50mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	150mVp-p	180mVp-p	240mVp-p	240mVp-p
	<b>VOLTAGE TOLERANCE</b> <small>Note.4</small>	±5.0%	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%
	<b>LINE REGULATION</b> <small>Note.5</small>	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	<b>LOAD REGULATION</b> <small>Note.6</small>	±5.0%	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%
<b>SETUP, RISE, HOLD TIME</b>	500ms, 20ms, 50ms/230VAC      500ms, 20ms, 15ms/115VAC at full load										
INPUT	<b>VOLTAGE RANGE</b>	90 ~ 264VAC    135 ~ 370VDC									
	<b>FREQUENCY RANGE</b>	47 ~ 63Hz									
	<b>EFFICIENCY (Typ.)</b>	68%	73%	79%	79%	81%	81%	82%	84%	84%	85%
	<b>AC CURRENT</b>	0.5A / 100VAC									
	<b>INRUSH CURRENT (max.)</b>	25A / 115VAC									
<b>LEAKAGE CURRENT(max.)</b>	0.25mA / 240VAC										
PROTECTION	<b>OVER LOAD</b>	110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed									
	<b>OVER VOLTAGE</b>	105 ~ 150% rated output voltage Protection type : Clamp by zener diode, output short									
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 <small>(Note. 7)</small>	<b>SAFETY STANDARDS</b>	UL60950-1, CSA C22.2, BSMI, CNS14336 Approved									
	<b>WITHSTAND VOLTAGE</b>	I/P-O/P:3KVAC									
	<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 PART 15 / CISPR22 class B, CNS13438 class B									
	<b>HARMONIC CURRENT</b>	Compliance to EN61000-3-2,3									
<b>EMS IMMUNITY</b>	Compliance to EN61000-4-2,3,4,5,6,8,11, Light industry level, criteria A										
OTHERS	<b>MTBF</b>	500Khrs min. MIL-HDBK-217F(25°C)									
	<b>DIMENSION</b>	79*54*33mm (L*W*H)									
	<b>PACKING</b>	210g ; 60pcs / 13.5kg / CARTON									
CONNECTOR	<b>PLUG</b>	Standard type P1J: 2.1φ * 5.5φ * 11mm, tuning fork type, center positive for stock ; Other type available by customer requested									
	<b>CABLE</b>	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 115VAC input, rated load, 25°C 70% RH. Ambient.</p> <p>2. DC voltage: The output voltage set at point measure by plug terminal &amp; 50% load.</p> <p>3. Ripple &amp; noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf &amp; 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 a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</p>										

**Mechanical Specification**

Unit:mm

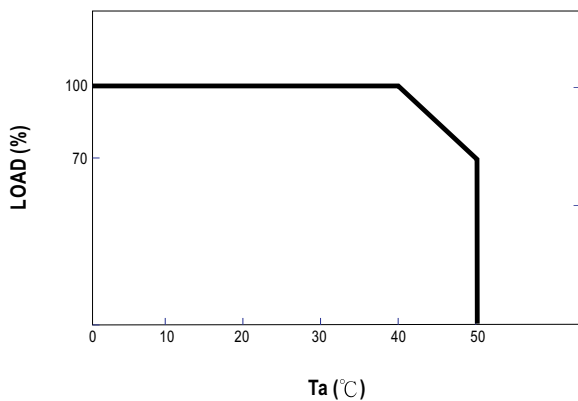


**Plug Assignment**

Standard plug: P1J (option)

P1J	
P/N	OUTPUT
CENTER	+

**Derating Curve**



**Static Characteristics**

