



■ Features :

- Universal AC input / Full range
- 3 pole AC inlet IEC320-C14
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Fully enclosed plastic case
- Approvals: UL / CUL / TUV / BSMI / CCC / CB / FCC / CE
- Class I power ( with earth pin)
- LED indicator for power on
- No load power consumption<0.5W
- ENERGY STAR compliant
- Meet EISA 2007(Energy Independence and Security Act)
- 2 years warranty

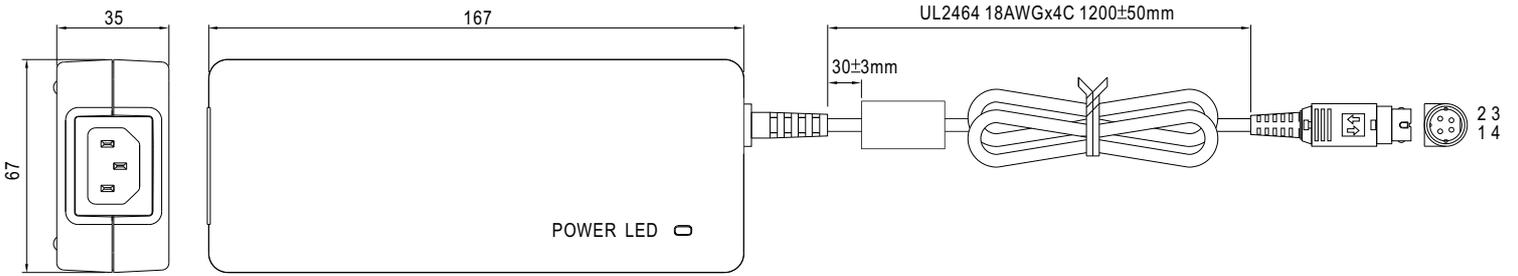


SPECIFICATION

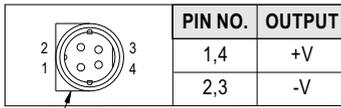
ORDER NO.	GS120A12-R7B	GS120A15-R7B	GS120A20-R7B	GS120A24-R7B	GS120A48-R7B	
OUTPUT	SAFETY MODEL NO.	GS120A12	GS120A15	GS120A20	GS120A24	GS120A48
	DC VOLTAGE	12V	15V	20V	24V	48V
	RATED CURRENT	8.5A	7A	6A	5A	2.5A
	CURRENT RANGE	0 ~ 8.5A	0 ~ 7A	0 ~ 6A	0 ~ 5A	0 ~ 2.5A
	RATED POWER (max.)	102W	105W	120W	120W	120W
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p
	VOLTAGE TOLERANCE Note.3	±5.0%	±5.0%	±5.0%	±3.0%	±2.0%
	LINE REGULATION Note.4	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION	±5.0%	±5.0%	±4.0%	±3.0%	±2.0%
	SETUP, RISE TIME Note.6	2000ms, 20ms / 230VAC      2500ms, 20ms / 115VAC at full load				
HOLD UP TIME (Typ.)	20ms / 230VAC      20ms / 115VAC at full load					
INPUT	VOLTAGE RANGE Note.7	85 ~ 264VAC      120 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	POWER FACTOR (Typ.)	PF>0.95 / 230VAC      PF>0.98 / 115VAC at full load				
	EFFICIENCY (Typ.)	89%	89.5%	90.5%	90.5%	91%
	AC CURRENT	1.4A / 115VAC      0.7A / 230VAC				
	INRUSH CURRENT (max.)	70A / 230VAC				
LEAKAGE CURRENT(max.)	0.75mA / 240VAC					
PROTECTION	OVERLOAD	105 ~ 160% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed				
	OVER VOLTAGE	105 ~ 135% rated output voltage Protection type : Shut down o/p voltage, re-power on to recover				
	OVER TEMPERATURE	RTH2 > ±10°C Protection type : Shut down o/p voltage, re-power on to recover				
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to output load 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. 5)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, BSMI CNS14336, CCC GB4943 approved				
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC				
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH				
	EMI CONDUCTION & RADIATION	Compliance to EN55022(CISPR22) ,EN6/204-3 class B, CNS13438 class B, GB9254-1 class B				
	HARMONIC CURRENT	Compliance to EN61000-3-2,3, GB17625.1				
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A				
	MTBF	400.7Khrs min. MIL-HDBK-217F(25°C)				
	DIMENSION	167*67*35mm (L*W*H)				
CONNECTOR	PACKING	0.62Kg; 20pcs/13.4Kg/0.8CUFT				
	PLUG	See page 2 ; Other type available by customer requested				
	CABLE	See page 2 ; 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.Ripple &amp; noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf &amp; 47uf capacitor.</p> <p>3.Tolerance: includes set up tolerance, line regulation, load regulation.</p> <p>4.Line regulation is measured from low line to high line at rated load.</p> <p>5.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> <p>6. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.</p> <p>7. Derating may be needed under low input voltage. Please check the derating curve for more details.</p>					

## Mechanical Specification

Case No. GS120A Unit: mm



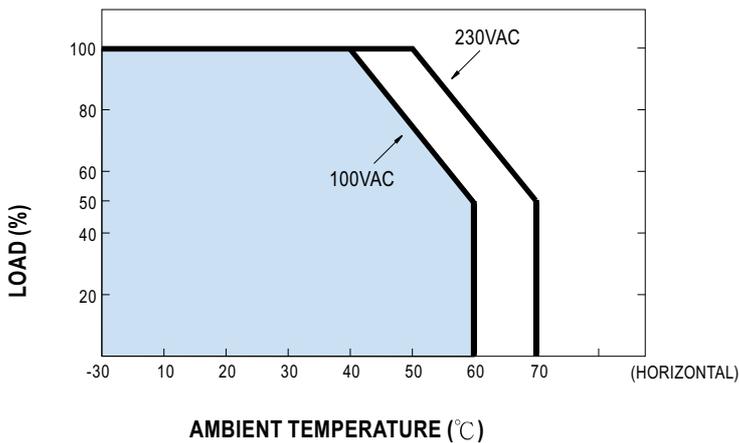
## Plug Assignment



AC FG

-V connected to AC FG

## Derating Curve



## Static Characteristics

