



Features:

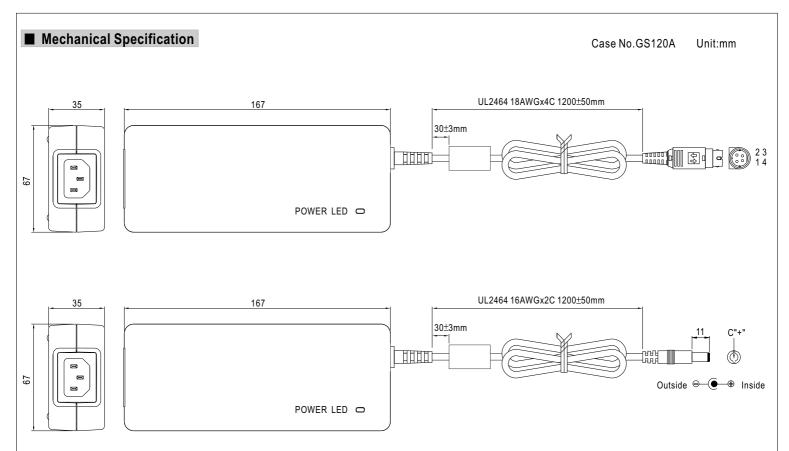
- Universal AC input / Full range
- 3 pole AC inlet IEC320-C14
- Built-in active PFC function, PF>0.97
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Fully enclosed plastic case
- Approvals: UL / CUL / PSE / TUV / BSMI / CCC / CB / FCC / CE
- Class I power (with earth pin)
- · LED indicator for power on
- No load power consumption<0.5W
- ErP step2 compliant
- NRCan compliant
- Meet EISA 2007 (Energy Independence and Security Act)
- 2 years warranty

SPECIFICATION



ORDER NO.			GS120A12-R7B	GS120A15-R7B	GS120A20- =R7B,P1M	GS120A24- ☐=R7B,P1M	GS120A48- =R7B,P1M	
ОИТРИТ	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 TOLERAN			±5.0%	±5.0%	±3.0%	±2.0%	
	LINE REGULATION Note.4			±1.0%	±1.0%	±1.0%	±1.0%	
	LOAD REGULATION		±5.0%	±5.0%	±4.0%	±3.0%	±2.0%	
			2000ms, 30ms / 230VA		115VAC at full load	201070		
	HOLD UP TIME (Typ.)		20ms / 230VAC 20ms / 115VAC at full load					
	\ • • •		7 85 ~ 264VAC 120 ~ 370VDC					
	FREQUENCY RANGE		47 ~ 63Hz					
	POWER FACTOR (Typ.)		PF>0.97 / 230VAC PF>0.99 / 115VAC at full load					
	. JIIERTAGIOR (I)	R7B	87.5%	89%	89%	90%	91%	
INPUT	EFFICIENCY (Typ.)	P1M			88.5%	89.5%	90.5%	
	AC CURRENT	I IIVI			00.376	03.570	90.370	
	INRUSH CURRENT (max.)		1.4A / 115VAC					
	LEAKAGE CURRENT(max.)		70A / 230VAC					
	OVERLOAD		0.75mA / 240VAC					
			105 ~ 160% rated output power					
			Protection type: Hiccup mode, recovers automatically after fault condition is removed					
PROTECTION	OVER VOLTAGE		105 ~ 135% rated output voltage					
	OVER TEMPERATURE		Protection type: Shut down o/p voltage, re-power on to recover					
			RTH2 ≥ 100 ±10°C Distriction then a Shut down a/a valence or newer on to recover					
			Protection type: Shut down o/p voltage, re-power on to recover					
	WORKING TEMP.		-30 ~ +70°C (Refer to "Derating Curve")					
	WORKING HUMIDITY		20% ~ 90% RH non-condensing					
ENVIRONMENT			-40 ~ +85°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT		±0.03% / °C (0~50°C)					
	VIBRATION				n. each along X, Y, Z axes			
	SAFETY STANDARD			950-1, BSMI CNS14336	, CCC GB4943, J60950-1	(except for 48V) approved		
SAFETY &	WITHSTAND VOLTAGE		I/P-O/P: 3KVAC					
EMC	ISOLATION RESISTANCE		I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH					
(Note. 5)	EMC EMISSION		Compliance to EN55022(CISPR22) ,EN61204-3 class B, CNS13438 class B, GB9254-1 class B, FCC PART 15, EN61000-3-2,3, GB1762					
	EMC IMMUNITY		Compliance to EN6100	00-4-2,3,4,5,6,8,11, light	industry level, criteria A			
OTHERS	MTBF		400.7Khrs min. MIL-HDBK-217F(25°C)					
	DIMENSION		167*67*35mm (L*W*H)					
	PACKING		0.62Kg; 20pcs/13.4Kg/0.9CUFT					
CONNECTOR	PLUG		See page 2; Other type available by customer requested					
CONNECTOR	CABLE		See page 2; Other type available by customer requested					
NOTE	1.All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient. 2.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. 3.Tolerance: includes set up tolerance, line regulation, load regulation. 4.Line regulation is measured from low line to high line at rated load. 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. 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. 7. Derating may be needed under low input voltage. Please check the derating curve for more details.							





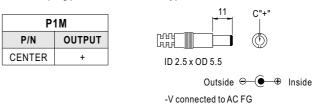
■ Plug Assignment

Standard plug (all models)

R7B					
	PIN NO.	OUTPUT			
2 (0 0) 3	1,4	+V			
	2,3	-V			
AC FG	•				

-V connected to AC FG

Standard plug(For 20V,24V,48V only)



■ Derating Curve

100 230VAC 80 60 100VAC 50 LOAD (%) 40 20 40 45 50 (HORIZONTAL) -30 10 20 70 AMBIENT TEMPERATURE (°C)

■ Static Characteristics

