

SPECIFICATION



Features:

- Universal AC input / Full range
- 3 pole AC inlet IEC320-C14
- Built-in active PFC function, PF>0.91
- 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
- Meet EISA 2007(Energy Independence and Security Act)
- 2 years warranty

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ORDER NO.		GS220A12-R7B	GS220A15-R7B	GS220A20-R7B	GS220A24-R7B	GS220A48-R7B	
	SAFETY MODEL NO.	GS220A12	GS220A15	GS220A20	GS220A24	GS220A48	
ОИТРИТ	DC VOLTAGE Note.2	12V	15V	20V	24V	48V	
	RATED CURRENT	15A	13.4A	11A	9.2A	4.6A	
	CURRENT RANGE	0 ~ 15A	0 ~ 13.4A	0 ~ 11A	0~9.2A	0 ~ 4.6A	
	RATED POWER (max.)	180W	201W	220W	221W	221W	
	RIPPLE & NOISE (max.) Note.3	80mVp-p	100mVp-p	150mVp-p	180mVp-p	240mVp-p	
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±4.0%	±3.0%	±2.0%	
	LINE REGULATION Note.5	±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.7	2000ms, 20ms / 230VAC 2000ms, 20ms / 115VAC at full load					
	HOLD UP TIME (Typ.)	20ms / 230VAC 20ms / 115VAC at full load					
INPUT	VOLTAGE RANGE Note.8	90 ~ 264VAC 127 ~ 370VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	PF>0.91 / 230VAC PF>0.98 / 115VAC at full load					
	EFFICIENCY (Typ.)	90%	90%	92%	93.5%	94.5%	
	AC CURRENT	4A / 115VAC 2A / 230VAC					
	INRUSH CURRENT (max.)	120A / 230VAC					
	LEAKAGE CURRENT(max.)	1.5mA/240VAC					
PROTECTION		105 ~ 135% rated output power					
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed					
		105 ~ 135% rated output voltage					
	OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover					
		95°C ±5°C (TSW1) detect on heatsink of power transistor					
	OVER TEMPERATURE	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down					
ENVIRONMENT	WORKING TEMP.	-30 ~ +60°C (Refer to output load derating curve)					
	WORKING HUMIDITY	20% ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +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 STANDARDS	UL60950-1, TUV EN60950-1, BSMI CNS14336, CCC GB4943 approved					
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC					
SAFETY &	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH					
EMC	EMI CONDUCTION & RADIATION	Compliance to EN55022 class B, FCC PART 15 class B / CISPR22 class B, CNS13438 class B, GB9254 class B					
(Note. 6)	HARMONIC CURRENT	Compliance to EN61000-3-2,3, GB17625.1					
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A					
	MTBF	191.3Khrs min. MIL-HDB	K-217F(25°C)	grs automatically after fault condition is removed e, re-power on to recover power transistor e, recovers automatically after temperature goes down and curve) or 60min. each along X, Y, Z axes S14336, CCC GB4943 approved fow RH PART 15 class B / CISPR22 class B, CNS13438 class B, GB9254 class B 25.1 11, light industry level, criteria A stomer requested stomer requested % RH ambient. nal & 50% load. ir terminated with a 0.1uf & 47uf capacitor.			
OTHERS	DIMENSION	210*85*46mm (L*W*H)					
	PACKING	1.1Kg; 12pcs/14.2Kg/0.73CUFT					
0011150505	PLUG	See page 2; Other type available by customer requested					
CONNECTOR	CABLE	See page 2; Other type available by customer requested					
NOTE	DC voltage: The output vol Ripple & noise are measur Tolerance: includes set up Line regulation is measurer The power supply is consic EMC directives. Length of set up time is me	sters are specified at 230VAC input, rated load, 25°C 70% RH ambient. E: The output voltage set at point measure by plug terminal & 50% load. Sies are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. Includes set up tolerance, line regulation, load regulation. Station is measured from low line to high line at rated load. Supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the					



Mechanical Specification Case No.961A Unit:mm UL1185 16AWGx4C 1000±50mm POWER LED POWER LED 14

■ Plug Assignment

Standard plug: R7B (option)

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

-V connected to AC FG

