

GS220 Series

220W AC-DC Industrial Adaptor



Features

- Universal AC input / Full range
- Built-in active PFC function
- No load power consumption <0.5W
- Energy Efficiency Level V
- Complies with EISA 2007, NRCAN, AU/NZ MEPS and EU ErP
- 3 pole AC inlet IEC320-C14
- Protections: Short circuit / Overload / Over voltage/ Over Temperature
- Class I power (with earth pin)
- Fully enclosed plastic case
- LED indicator for power on
- 2 years warranty

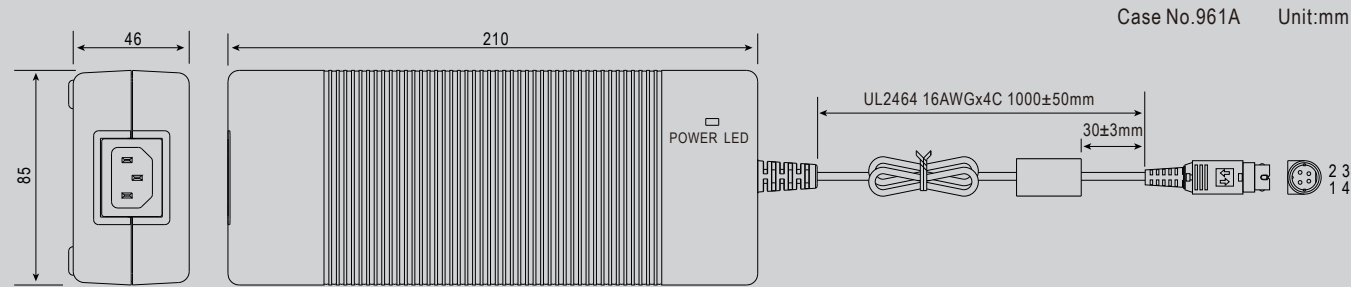


Specification

INPUT	Voltage	90 ~ 264VAC 127 ~ 370VDC				
	Frequency	47 ~ 63 Hz				
	Power Factor	PF >0.91/230VAC PF>0.98/115 VAC at full load				
	AC Current (Typ.)	4A/115VAC 2A/230VAC				
	Inrush Current (Typ.)	120A/230VAC				
	Leakage Current (max)	1.5mA/240VAC				
OUTPUT	Model Number	GS220A12-R7B	GS220A15-R7B	GS220A20-R7B	GS220A24-R7B	GS220A48-R7B
	DC Voltage	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	180W	201W	220W	221W	221W
	R&N	80mVp-p	100mVp-p	150mVp-p	180mVp-p	240mVp-p
	Efficiency	90%	90%	92%	93.5%	94.5%
	Voltage Tolerance	±5.0%	±5.0%	±4.0%	±3.0%	±2.0%
	Line Regulation	±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	2000ms, 20ms/230VAC 2000ms, 20ms/115VAC at full load				
	Hold Up Time	20ms/230VAC 20ms/115VAC at full load				
	Overload	105 ~ 135% rated output power Protection type: hiccup mode, recovers automatically after fault condition is removed				
	Over Voltage	105 ~ 135% rated output power Protection type: Shutdown o/p voltage, re-power on to recover				
	Over Temperature	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down				
ENVIRONMENT	Working Temperature	-30 ~ +60°C (Refer to Derating Curve)				
	Working Humidity	20 ~ 90% RH non-condensing				
	Storage Temperature	-40 ~ +85°C, 10 ~ 95% RH				
	Temp. Coefficient	±0.03%/°C (0-50°C)				
	Vibration	10 ~ 500Hz, 2G 10 min./1cycle, period for 60min. each along X, Y, Z axes				
SAFETY & EMC	Safety Standards	UL60950-1, CSA C22.2, 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				
	EMC Emission	Compliance to EN55022 class B, EN61000-3-2,3, FCC PART 15 / CISPR22 class B, CNS13438 class B, GB9254, GB17625.1				
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A				
OTHERS	MTBF	191.3K hrs min. MIL-HDBK-217 (25°C)				
	Packing	1.1kg; 12pcs/14.2Kg/0.73CUFT				

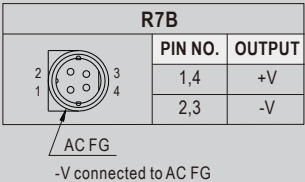
1. All parameters NOT specially mentioned are measured at 230VAC input, rated load, 25°C of ambient temperature.
2. DC voltage: the output voltage set to point measure by plug terminal & 50% load.
3. Ripple & noise are measured at 20MHz by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
4. Tolerance: includes set up tolerance, line regulation, load regulation.
5. Line regulation is measured from low line regulation, load regulation.
6. Line regulation is measured at first cold start. Turning ON/OFF the power supply may lead to the increase of the set up time.
7. Derating maybe needed under low input voltage. Please check the derating curve for more details.
8. The power supply is considered as a component which will be installed into final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to 'EMI testing of component power supplies'.

Mechanical Specification

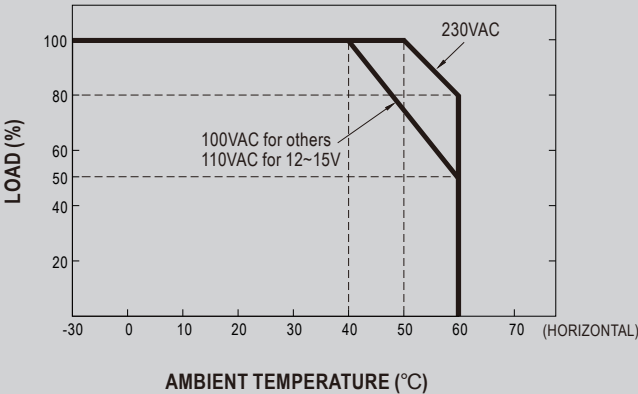


Plug Assignment

Standard plug : power DIN 4 pin with lock type, KYCON KPPX-4P equivalent



Derating Curve



Static Characteristics

