



Features

- Universal AC input / Full range
- 3 pole AC inlet IEC320-C14
- No load power consumption<0.15W
- Energy efficiency Level VI
- Comply with EISA 2007/DoE,NRCAn, AU/NZ MEPS,EU ErP and CoC Version 5
- Class I power (with earth pin)
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Fully enclosed plastic case
- LED indicator for power on
- 3 years warranty

Applications

- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments

Description

GST120A is a highly reliable, 120W desktop style single-output green adaptor series. This product is a class I power unit (with FG), equipped with a standard IEC320-C14 AC inlet and adopting the input range from 90VAC to 264VAC. The entire series supplies different models with output voltages ranging between 12VDC and 48VDC that can satisfy the demands for various types of consumer electronic devices.

With the efficiency up to 91% and the extremely low no-load power consumption below 0.15W,GST120A is compliant with USA EISA 2007/DoE, Canada NRCAn, Australia and New Zealand MEPS, EU ErP,and Code of Conduct (CoC) Version 5. The supreme feature allows the adaptor to save the energy when it is either under the operating mode or the standby mode. The entire series utilizes the 94V-0 flame retardant plastic case.GST120A is certified for the international safety regulations.

Model Encoding

GST 120A 12 -R7B

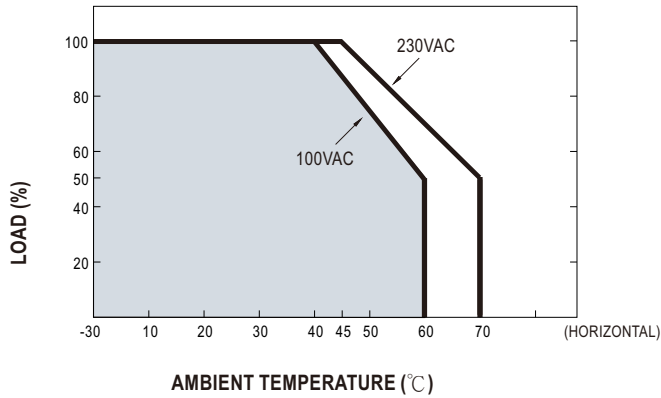
- | | | |
|---|----------------|---|
| ↑ | DC plug type { | R7B: Plug for 12~48V, power DIN 4P with lock type |
| ↑ | | P1M: Plug for 20~48V only, 2.5 ψ x5.5 ψ x11mm,c+,tuning fork type |
| ↑ | | Optional plug type available per request |
| ↑ | | |
| ↑ | | |
| ↑ | | |
| ↑ | | |
| ↑ | | |
- Output voltage
IEC320-C14 AC inlet
Output wattage
Series name



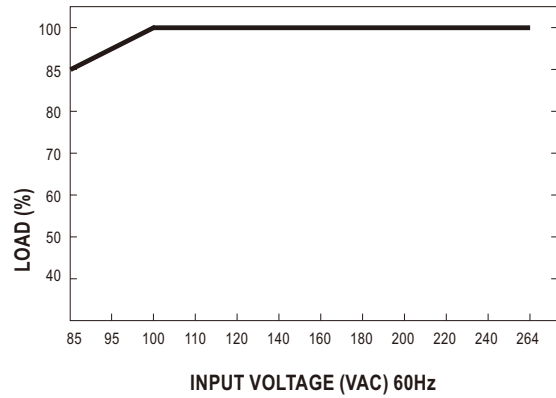
SPECIFICATION

ORDER NO.		GST120A12-R7B	GST120A15-R7B	GST120A20-□ □=R7B,P1M	GST120A24-□ □=R7B,P1M	GST120A48-□ □=R7B,P1M
OUTPUT	SAFETY MODEL NO.	GST120A12	GST120A15	GST120A20	GST120A24	GST120A48
	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	120mVp-p	150mVp-p	180mVp-p	200mVp-p	240mVp-p
	VOLTAGE TOLERANCE Note.3	±5.0%	±5.0%	±5.0%	±3.0%	±2.5%
	LINE REGULATION Note.4	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION	±5.0%	±5.0%	±4.0%	±3.0%	±2.5%
	SETUP, RISE TIME Note.5	2000ms, 30ms / 230VAC 2500ms, 30ms / 115VAC at full load				
INPUT	HOLD UP TIME (Typ.)	20ms / 230VAC 20ms / 115VAC at full load				
	VOLTAGE RANGE Note.6	85 ~ 264VAC 120 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	POWER FACTOR (Typ.)	PF>0.93 / 230VAC PF>0.97 / 115VAC at full load				
	EFFICIENCY (Typ.)	R7B	88.5%	89%	90%	90.5%
		P1M	-----	-----	89%	89.5%
	AC CURRENT	1.4A / 115VAC 0.7A / 230VAC				
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	Shut down o/p voltage, re-power on to recover				
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")				
	WORKING HUMIDITY	20% ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03% / °C (0~45°C)				
SAFETY & EMC (Note. 7)	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, J60950-1 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				
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A				
	MTBF	368.75K hrs min. MIL-HDBK-217F(25°C)				
	DIMENSION	167*67*35mm (L*W*H)				
CONNECTOR	PACKING	0.62Kg; 20pcs/13.4Kg/0.9CUFT				
	PLUG	See page 3 ; Other type available by customer requested				
	CABLE	See page 3 ; 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. 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. 6. Derating may be needed under low input voltage. Please check the derating curve for more details. 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.				

Derating Curve

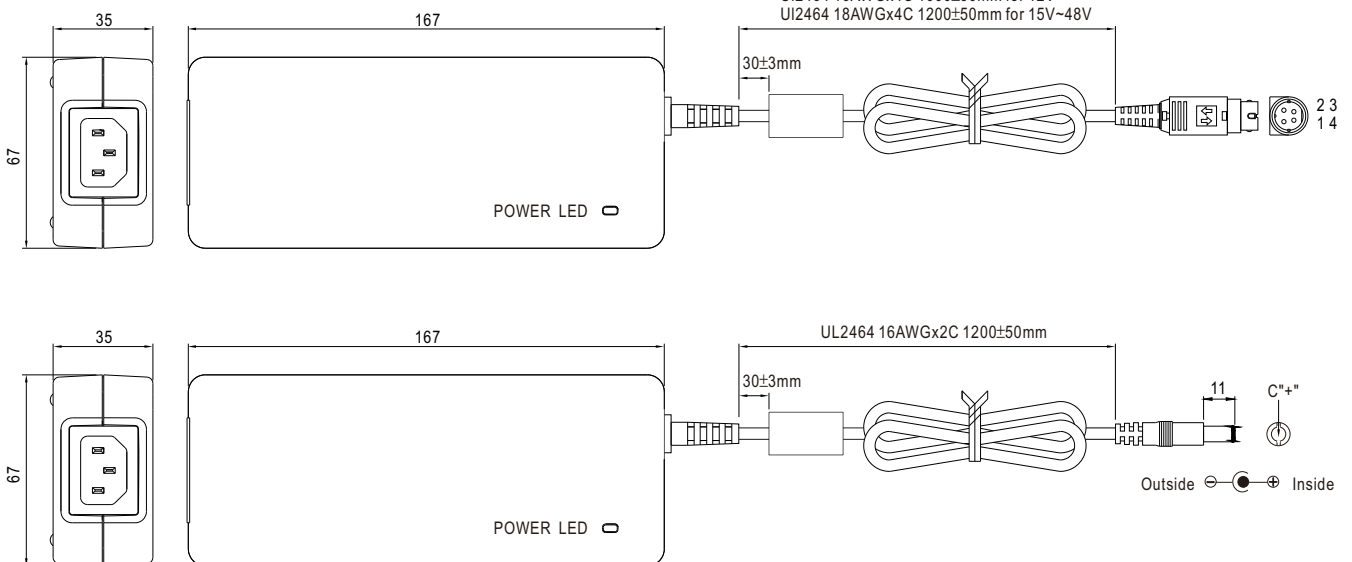


Static Characteristics



Mechanical Specification

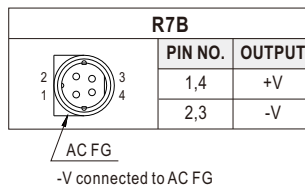
Case No. GS120A Unit:mm



Plug Assignment

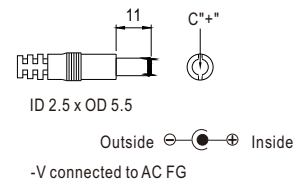
Standard plug (all models) :

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



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

P1M	
P/N	OUTPUT
CENTER	+



Installation Manual

Please refer to : <http://www.meanwell.com/webnet/search/InstallationSearch.html>



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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