



■ Features

- **Global certificates**
- **450W peak power(3 sec.)**
- Universal AC input / Full range
- 2 pole AC inlet IEC320-C18, Class II power unit
- Built-in active PFC function
- No load power consumption < 0.5W
- **Energy efficiency Level VI**
- Comply with international energy-saving standards
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Fanless design with -30~+70°C working temperature
- Fully enclosed plastic case
- LED indicator for power on
- 3 years warranty

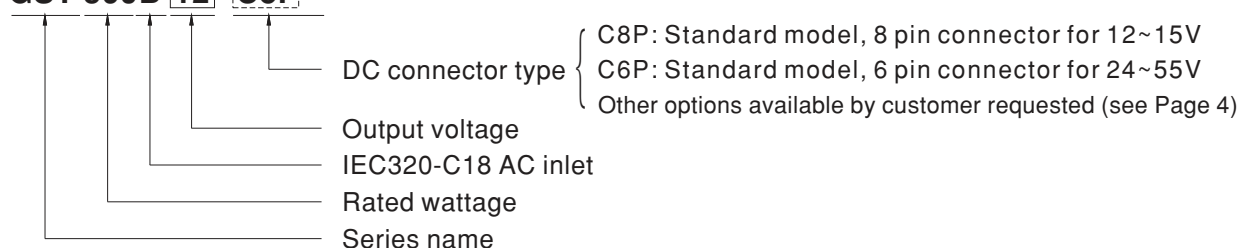
■ Description

GST360B is a highly reliable, 360W desktop style single-output green adaptor series. This product is a class II power unit (without FG), equipped with a standard IEC320-C18 AC inlet and adopting the input range from 85 VAC to 264VAC. The entire series supplies different models with output voltages ranging between 12VDC and 55VDC that can satisfy the demands for various types of consumer electronic devices.

With the efficiency up to 95.0% and the extremely low no-load power consumption below 0.5W, GST360B is compliant with USA EISA 2007/DoE, Canada NRCAN. 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. GST360B is certified for the international safety regulations.

■ Model Encoding

GST 360B 12 -C8P



■ Applications

- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments
- 3D printer
- Game console
- Vision mixer
- Power sourcing equipment of PoE

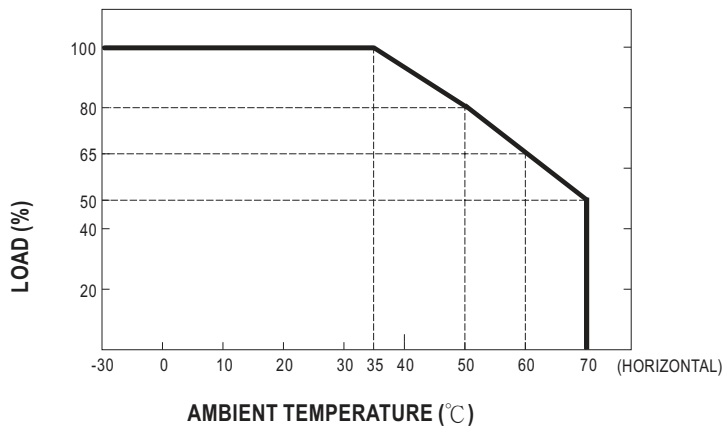
■ GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

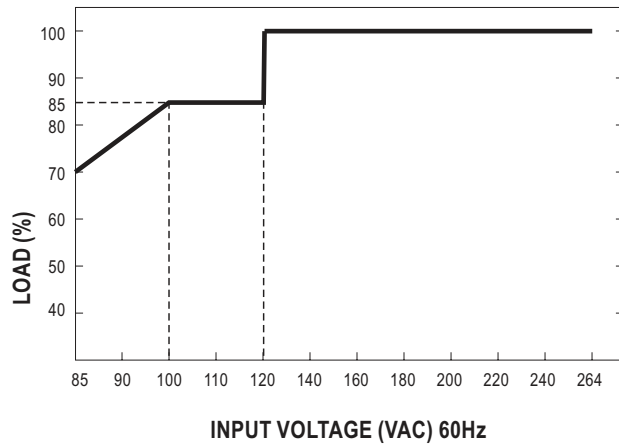
SPECIFICATION

| ORDER NO. | | GST360B12-C8P | GST360B15-C8P | GST360B24-C6P | GST360B36-C6P | GST360B48-C6P | GST360B55-C6P | |
|---------------------------|--|---|---|---------------|---------------|--|---------------|------|
| OUTPUT | SAFETY MODEL NO. | GST360B12 | GST360B15 | GST360B24 | GST360B36 | GST360B48 | GST360B55 | |
| | DC VOLTAGE | 12V | 15V | 24V | 36V | 48V | 55V | |
| | RATED CURRENT | 27.5A | 22.7A | 15A | 10A | 7.5A | 6.55A | |
| | CURRENT RANGE | 0 ~ 27.5A | 0 ~ 22.7A | 0 ~ 15A | 0 ~ 10A | 0 ~ 7.5A | 0 ~ 6.55A | |
| | POWER | Rated (max.) | 330W | 340.5W | 360W | 360W | 360W | 360W |
| | | Peak (3sec.) | 415W | 425W | 450W | 450W | 450W | 450W |
| | RIPPLE & NOISE (max.) | 120mVp-p | 120mVp-p | 200mVp-p | 200mVp-p | 200mVp-p | 200mVp-p | |
| | VOLTAGE TOLERANCE | ± 5.0% | ± 5.0% | ± 3.0% | ± 2.0% | ± 2.0% | ± 2.0% | |
| | LINE REGULATION | ± 1.0% | ± 1.0% | ± 1.0% | ± 1.0% | ± 1.0% | ± 1.0% | |
| | LOAD REGULATION | ± 5.0% | ± 5.0% | ± 3.0% | ± 2.0% | ± 2.0% | ± 2.0% | |
| SETUP, RISE TIME | 2000ms, 50ms / 230VAC 2000ms, 50ms / 115VAC at full load | | | | | | | |
| HOLD UP TIME (Typ.) | 8ms / 230VAC 8ms / 115VAC at full load | | | | | | | |
| INPUT | VOLTAGE RANGE | 85 ~ 264VAC 120 ~ 370VDC | | | | | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | | | | | |
| | POWER FACTOR (Typ.) | PF>0.95 / 230VAC PF>0.98 / 115VAC at full load | | | | | | |
| | EFFICIENCY (Typ.) | 91% | 92% | 93% | 94% | 95% | 95% | |
| | AC CURRENT (Typ.) | 3.8A / 115VAC 2A / 230VAC | | | | | | |
| | INRUSH CURRENT (max.) | Cold start 95A / 115VAC 120A / 230VAC | | | | | | |
| | LEAKAGE CURRENT(max.) | 1.5mA / 240VAC | | | | | | |
| | PROTECTION | OVERLOAD | 135 ~ 155% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed for 12 ~ 36V Shut down o/p voltage, re-power on to recover for 48V and 55V | | | | | |
| 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 | | | | | | |
| WORKING TEMP. | | -30 ~ +70℃ (Refer to "Derating Curve") | | | | | | |
| ENVIRONMENT | WORKING HUMIDITY | 20% ~ 90% RH non-condensing | | | | | | |
| | STORAGE TEMP., HUMIDITY | -40 ~ +85℃, 10 ~ 95% RH non-condensing | | | | | | |
| | TEMP. COEFFICIENT | ±0.03% / °C (0~35℃) | | | | | | |
| | VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes | | | | | | |
| | OPERATING ALTITUDE | 5000 meters | | | | | | |
| | OVER VOLTAGE CATEGORY | II ; According to UL62368-1, BS EN/EN62368-1; altitude up to 5000 meters | | | | | | |
| | SAFETY STANDARDS | UL62368-1, CSA C22.2 No.62368-1, Dekra BS EN/EN62368-1,IEC 61558-1,IEC 61558-2-16, AS/NZS 61558-1/-2-16, EAC TP TC 004 approved | | | | | | |
| WITHSTAND VOLTAGE | I/P-O/P: 3KVAC | | | | | | | |
| ISOLATION RESISTANCE | I/P-O/P:100M Ohms / 500VDC / 25℃ / 70% RH | | | | | | | |
| SAFETY & EMC (Note. 9) | EMC EMISSION | Parameter | Standard | | | Test Level / Note | | |
| | | Conducted emission | BS EN/EN55032(CISPR32),FCC PART 15 / CISPR22 CAN ICES-3(B)/NMB-3(B),EAC TP TC 020 | | | Class B | | |
| | | Radiated emission | BS EN/EN55032(CISPR32),FCC PART 15 / CISPR22 CAN ICES-3(B)/NMB-3(B),EAC TP TC 020 | | | Class B | | |
| | | Harmonic current | BS EN/EN61000-3-2 | | | Class A | | |
| | | Voltage flicker | BS EN/EN61000-3-3 | | | ----- | | |
| | EMC IMMUNITY | Parameter | Standard | | | Test Level /Note | | |
| | | ESD | BS EN/EN61000-4-2 | | | Level 4, 15KV air; Level 4, 8KV contact | | |
| | | RF field susceptibility | BS EN/EN61000-4-3 | | | Level 2, 3V/m | | |
| | | EFT bursts | BS EN/EN61000-4-4 | | | Level 2, 1KV | | |
| | | Surge susceptibility | BS EN/EN61000-4-5 | | | Level 3, 1KV/Line-Line | | |
| | | Conducted susceptibility | BS EN/EN61000-4-6 | | | Level 2, 3V | | |
| | | Magnetic field immunity | BS EN/EN61000-4-8 | | | Level 2, 3A/m | | |
| | | Voltage dips , interruption | BS EN/EN61000-4-11 | | | >95% dip 0. 5 periods, 30% dip 25 periods, >95% interruptions 250 periods | | |
| | OTHERS | MTBF | 3838.3K hrs min. Telcordia SR-332 (Bellcore) ; 557.9K hrs min. MIL-HDBK-217F (25℃) | | | | | |
| | | DIMENSION | 220*95*46mm (L*W*H) | | | | | |
| PACKING | | 1.4Kg; 8pcs/12Kg/0.82CUFT | | | | | | |
| CONNECTOR | PLUG | See page 4 ; Other type available by customer requested | | | | | | |
| | CABLE | See page 4 ; Other type available by customer requested | | | | | | |
| NOTE | 1. All parameters are specified at 230VAC input, rated load, 25℃ 70% RH ambient. 2. DC voltage: The output voltage set at point measure by plug terminal & 50% load. 3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1μF & 47μF capacitor. 4. Tolerance: includes set up tolerance, line regulation, load regulation. 5. Line regulation is measured from low line to high line at rated load. 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. 8. The ambient temperature derating of 3.5℃/1000m with fanless models and of 5℃/1000m with fan models for operating altitude higher than 2000m(6500ft). 9. The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) ※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx | | | | | | | |

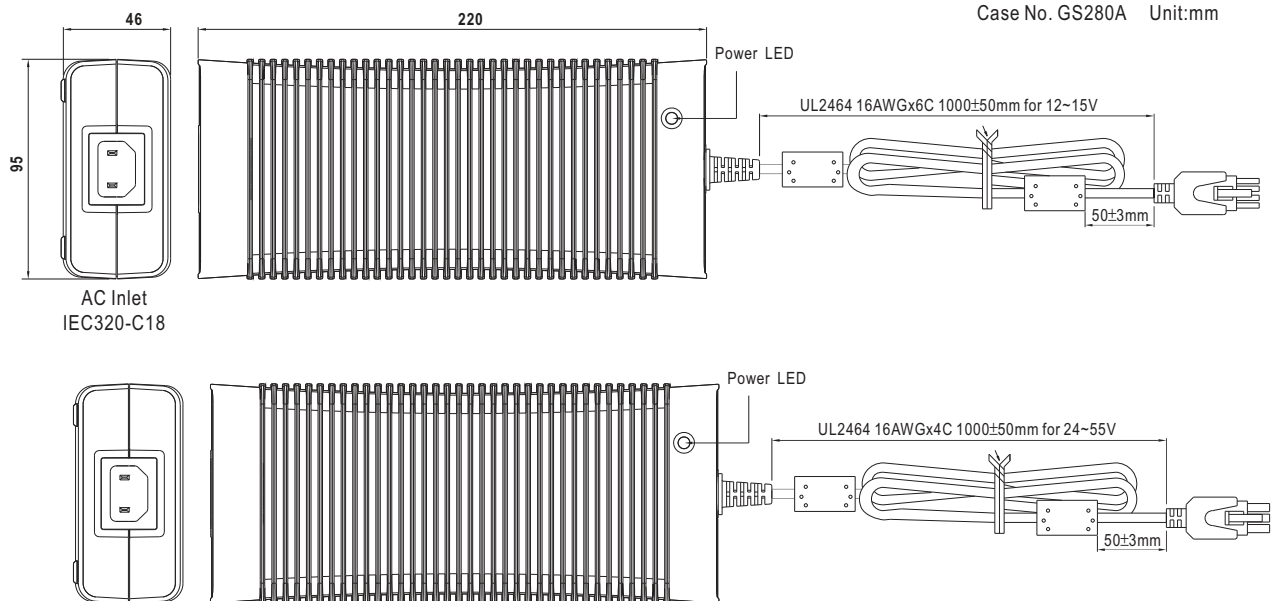
Derating Curve



Static Characteristics



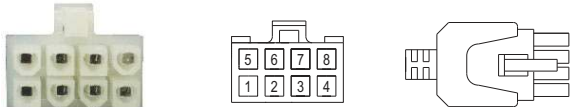
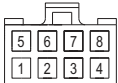

Mechanical Specification





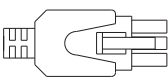
■ DC output plug

◎ Standard plug:

C8P : MOLEX 39-01-2080 equivalent for 12~15V



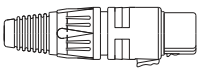
| C8P | | | Pin Assignment | |
|---|---|---|----------------|--------|
|  |  |  | PIN NO. | OUTPUT |
| | | | 1,2,3,4 | +Vo |
| | | | 5,6,7,8 | -Vo |

C6P : MOLEX 39-01-2060 equivalent for 24~55V



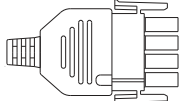
| C6P | | | Pin Assignment | |
|--|--|--|----------------|--------|
|  |  |  | PIN NO. | OUTPUT |
| | | | 1,2,3 | +Vo |
| | | | 4,5,6 | -Vo |

◎ Optional DC plug:

MIC4: NEUTRIK XLR NC4FX equivalent for 36~55V

| MIC4 | Type No. | Pin Assignment | |
|---|----------|----------------|--------|
| | | PIN No. | Output |
|    | MIC4 | 1 | +Vo |
| | | 2 | +Vo |
| | | 3 | -Vo |
| | | 4 | -Vo |

C4P: AMP 1-480702-0 (6.35mm) equivalent for 36~55V

| C4P | Type No. | Pin Assignment | |
|---|----------|----------------|--------|
| | | PIN No. | Output |
|    | C4P | 1 | +Vo |
| | | 2 | +Vo |
| | | 3 | -Vo |
| | | 4 | -Vo |

■ Installation Manual

Please refer to : <http://www.meanwell.com/manual.html>