



■ Features

- Global certificates
- 450W peak power(3 sec.)
- Universal AC input / Full range
- 3 pole AC inlet IEC320-C14, Class I 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

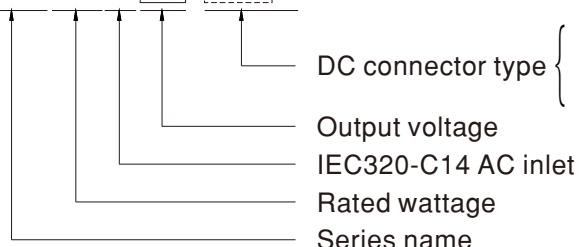
■ Description

GST360A is a highly reliable, 360W 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 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, GST360A 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. GST360A is certified for the international safety regulations.

■ Model Encoding

GST 360A [12]-C8P



DC connector type {
 C8P: Standard model, 8 pin connector for 12~15V
 C6P: Standard model, 6 pin connector for 24~55V
 Other options available by customer requested (see Page 4)

■ Applications

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

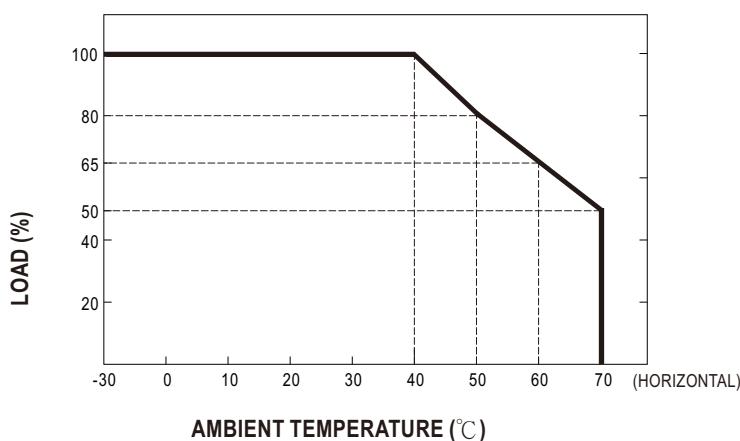
■ GTIN CODE

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

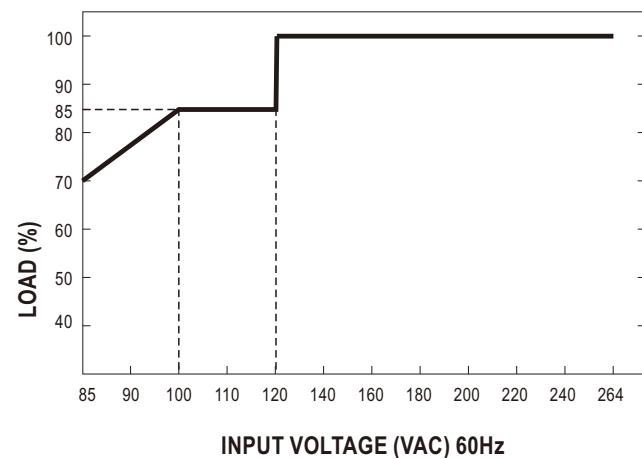
SPECIFICATION

ORDER NO.	GST360A12-C8P	GST360A15-C8P	GST360A24-C6P	GST360A36-C6P	GST360A48-C6P	GST360A55-C6P					
OUTPUT	SAFETY MODEL NO.	GST360A12	GST360A15	GST360A24	GST360A36	GST360A48					
	DC VOLTAGE Note.2	12V	15V	24V	36V	48V					
	RATED CURRENT	27.5A	22.7A	15A	10A	7.5A					
	CURRENT RANGE	0 ~ 27.5A	0 ~ 22.7A	0 ~ 15A	0 ~ 10A	0 ~ 7.5A					
	POWER	Rated (max.)	330W	340.5W	360W	360W					
		Peak (3sec.)	415W	425W	450W	450W					
	RIPPLE & NOISE (max.) Note.3	120mVp-p	120mVp-p	200mVp-p	200mVp-p	200mVp-p					
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±3.0%	±2.0%	±2.0%					
	LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%					
	LOAD REGULATION	±5.0%	±5.0%	±3.0%	±2.0%	±2.0%					
INPUT	SETUP, RISE TIME Note.6	2000ms, 50ms / 230VAC	2000ms, 50ms / 115VAC	at full load							
	HOLD UP TIME (Typ.)	8ms / 230VAC	8ms / 115VAC	at full load							
PROTECTION	VOLTAGE RANGE Note.7	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								
ENVIRONMENT	LEAKAGE CURRENT(max.)	1.5mA / 240VAC									
	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									
SAFETY & EMC (Note. 9)	OVER TEMPERATURE	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									
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing									
	TEMP. COEFFICIENT	±0.03% / °C (0~40°C)									
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes									
OTHERS	OPERATING ALTITUDE Note.8	5000 meters									
	OVER VOLTAGE CATEGORY	II ; According to UL62368-1, BS EN/EN62368-1; altitude up to 5000 meters									
SAFETY & EMC (Note. 9)	SAFETY STANDARDS	UL62368-1, CSA C22.2 No.62368-1, Dekra BS EN/EN62368-1, BSMI CNS14336, CCC GB4943, PSE J62368-1, BIS IS13252, KC 62368-1, EAC TP TC 004 approved									
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC I/P-F/G: 2KVAC O/P-F/G: 0.5KVAC									
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH									
	EMC EMISSION	Parameter	Standard	Test Level / Note							
		Conducted emission	BS EN/EN55032(CISPR32),FCC PART 15 / CISPR22 CAN ICES-3(B)/NMB-3(B),CNS13438,GB17625.1 EAC TP TC 020,MSIP KN32	Class B							
		Radiated emission	BS EN/EN55032(CISPR32),FCC PART 15 / CISPR22 CAN ICES-3(B)/NMB-3(B),CNS13438,GB17625.1 EAC TP TC 020,MSIP KN32	Class B							
		Harmonic current	BS EN/EN61000-3-2,GB9254	Class A							
	EMC IMMUNITY	Voltage flicker	BS EN/EN61000-3-3	-----							
		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 , 2KV/Line-FG							
		Conducted susceptibility	BS EN/EN61000-4-6	Level 2, 3V							
CONNECTOR	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	2068.5K hrs min.	Telcordia SR-332 (Bellcore) ;	269K hrs min.	MIL-HDBK-217F (25°C)						
	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°C 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°C/1000m with fanless models and of 5°C/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											

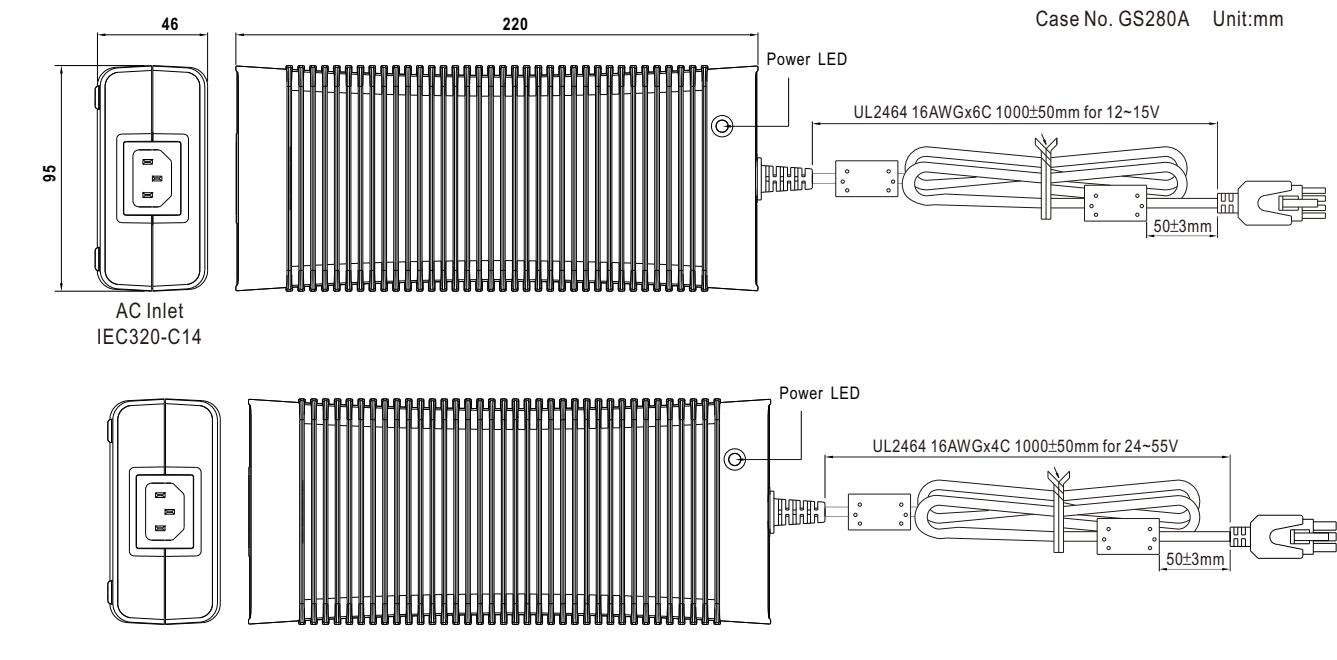
■ Derating Curve



■ Static Characteristics



■ Mechanical Specification



■ DC output plug

Standard models(In stock): -V not connected to AC FG

Optional models(By request): -V connected to AC FG

◎ 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>