













































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







Features

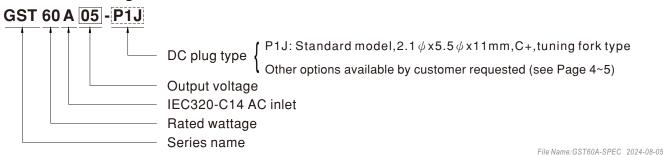
- Global certificates
- Universal AC input / Full range
- 3 pole AC inlet IEC320-C14, Class I power unit
- No load power consumption < 0.075W
- · Energy efficiency Level VI
- Comply with EISA 2007/DoE,NRCan,Korea K-MEPS, AU/NZ MEPS, EU ErP and CoC Version 5
- Protections: Short circuit / Overload / Over voltage / Over temperature
- · Fully enclosed plastic case
- Pass LPS
- -30~+70°C wide range working temperature
- · LED indicator for power on
- Various DC plug quick adapter accessory available (Plug kit sold sperately, please refer to: https://www.meanwell.com/upload/pdf/DC_plug.pdf)
- 3 years warranty

Description

GST60A is a highly reliable, 60W 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 5VDC and 48VDC that can satisfy the demands for various types of consumer electronic devices.

With the efficiency up to 92% and the extremely low no-load power consumption below 0.075W, GST60A is compliant with USA EISA 2007/DoE, Canada NRCan, Australia and New Zealand MEPS, Korea K-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.GST60A is certified for the international safety regulations.

Model Encoding



Applications

- · Consumer electronic devices
- Telecommunication devices
- · Office facilities

GTIN CODE

Industrial equipments





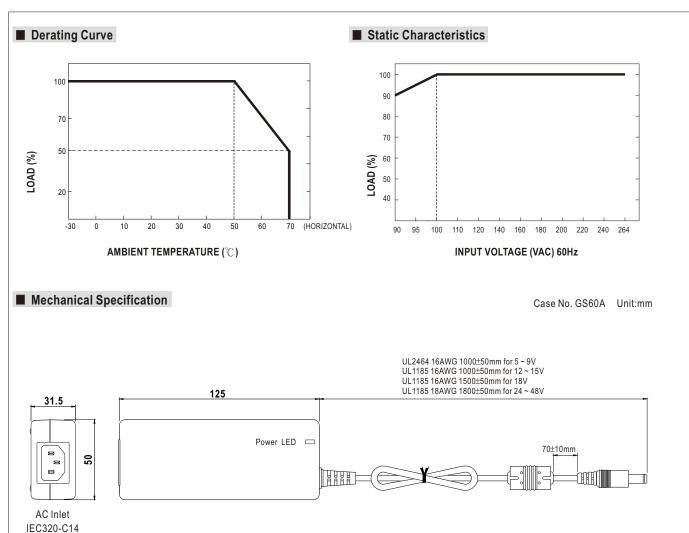




SPECIFICATION

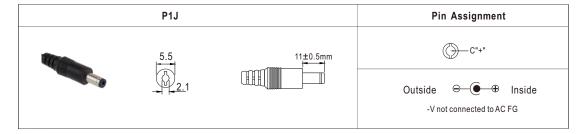
ORDER NO.		GST60A05-P1J	GST60A07-P1J	GST60A09-P1J	GST60A12-P1J	GST60A15-P1J	GST60A18-P1J	GST60A24-P1J	GST60A48-P		
	SAFETY MODEL NO.	GST60A05	GST60A07	GST60A09	GST60A12	GST60A15	GST60A18	GST60A24	GST60A48		
OUTPUT	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V	48V		
	RATED CURRENT	6A	6A	6A	5A	4A	3.33A	2.5A	1.25A		
	CURRENT RANGE	0 ~ 6A	0 ~ 6A	0 ~ 6A	0 ~ 5A	0 ~ 4A			0 ~ 1.25A		
	RATED POWER (max.)	30W	45W	54W	60W	60W			60W		
	(,			-							
	RIPPLE & NOISE (max.) Note.3		120mVp-p	120mVp-p	120mVp-p	120mVp-p			200mVp-p		
	VOLTAGE TOLERANCE Note.4		±5.0%	±5.0%	±3.0%	±3.0%			±2.5%		
	LINE REGULATION Note.5		±1.0%	±1.0%	±1.0%	±1.0%		±1.0%	±1.0%		
	LOAD REGULATION	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%	±2.5%		
	SETUP, RISE TIME Note.6	1000ms, 50ms /	230VAC 1	000ms, 50ms / 1	15VAC at full loa	d					
	HOLD UP TIME (Typ.)	50ms / 230VAC 15ms / 115VAC at full load									
	VOLTAGE RANGE Note.7	90 ~ 264VAC									
	FREQUENCY RANGE	47 ~ 63Hz									
	EFFICIENCY (Typ.)	85.5%	88.5%	89% 89.5% 89.5% 90.5% 91%							
INPUT	AC CURRENT (Typ.)	1.4A / 115VAC	1A / 230VAC								
	INRUSH CURRENT (max.)	Cold start 35A / 115AC 65A / 230VAC									
	LEAKAGE CURRENT(max.)	0.75mA / 240VAC									
			-				60W 60W 60W 60W 60W 60				
	OVERLOAD	105 ~ 150% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed									
DDOTEOTION			<u> </u>					05.0 00.41/	FO 4 C4 O		
PROTECTION	OVER VOLTAGE	5.2 ~ 6.8V	7.8 ~ 10.2V	9.4 ~ 12.2V	12.6 ~ 16.2V	15.7 ~ 20.3V	18.9 ~ 24.3V	25.2 ~ 32.4 V	50.4 ~ 64.8\		
				voltage, re-pov	er on to recover	•					
	OVER TEMPERATURE	Shut down o/p	oltage, re-pow	er on to recover			14336-1, CCC GB4943.1, PSE J62368-1, d; SIRIM MS IEC60950-1 (optional) approv Test Level / Note Class B CISPR22 Class B				
	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")									
	WORKING HUMIDITY	20% ~ 90% RH non-condensing									
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing									
	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 Note, 8	UL62368-1, CSA C22.2 No.62368-1, TUV BS EN/EN62368-1, BSMI CNS 14336-1, CCC GB4943.1, PSE J62368-1,									
		AS/NZS 60950.1, BIS IS13252, KC K60950-1, EAC TP TC 004 approved; SIRIM MS IEC60950-1 (optional) approved									
	WITHSTAND VOLTAGE			C O/P-FG:0.5k				(
SAFETY &	ISOLATION RESISTANCE	· · · · · · · · · · · · · · · · · · ·		Ohms / 500VDC /	25 C/ /U% RH		<u> </u>				
	EMC EMISSION	Parameter Conducted emis	oion	BS EN/EN55032(CISPR32),FCC PART 15 / CISPR22							
		Radiated emiss		BS EN/EN55032 CAN ICES-3(B)/I EAC TP TC 020,	MB-3(B),CNS13						
EMC		Harmonic curre	nt	BS EN/EN61000-3-2,GB9254			Class A	Class A			
(Note. 10)		Voltage flicker		BS EN/EN61000-3-3							
	EMC IMMUNITY	BS EN/EN5503	 5				•				
		Parameter		Standard			Toet Lovel /	Noto			
		ESD		BS EN/EN61000-4-2			Level 4, 15k	Level 4, 15KV air; Level 4, 8KV contact			
		RF field suscep	tibility	BS EN/EN61000-4-3			Level 2, 3\	Level 2, 3V/m			
		EFT bursts		BS EN/EN61000-4-4 Level 2, 1KV							
		Surge susceptib	ility	BS EN/EN61000)-4-5		Level 3, 1k	(V/Line-Line . 2	KV/Line-FG		
		Conducted susc									
			.1	BS EN/EN61000-4-6				,			
		Magnetic field in Voltage dips , in	,	BS EN/EN61000-4-8 BS EN/EN61000-4-11			>95% dip (>95% dip 0. 5 periods, 30% dip 25 period			
	MTBF	3620.0K hrs mi	n Telcordia 9	R-332 (Bellcore)	· 709 7K hrs mir	MII -HDRK-					
OTHEDS	DIMENSION										
OTHERS	PACKING	125*50*31.5mm (L*W*H) 0.305Kg; 40pcs/13.02Kg/1.04CUFT									
	PLUG	See page 4~5; Other type available by customer requested									
CONNECTOR	CABLE										
NOTE	All parameters are specified 2. DC voltage: The output volta 3. Ripple & noise are measure 4. Tolerance: includes set up to 5. Line regulation is measured 6. Length of set up time is mea 7. Derating may be needed un 8. The demand for Malaysia se 9. The ambient temperature de 10. The power supply is consic EMC directives. For guidar	See page 4~5; Other type available by customer requested I at 230VAC input, rated load, 25°C 70% RH ambient. age set at point measure by plug terminal & 50% load. ad at 20MHz by using a 12" twisted pair terminated with a 0.1 μ F & 47 μ F capacitor. olerance, line regulation, load regulation. I from low line to high line at rated load. assured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. ader low input voltages. Pleas check the derating curve for more details. afety is processed with the order no. GST60A □ -SIRIM by request. Please contact MEAN WELL for details. erating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ff) dered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the nice on how to perform these EMC tests, please refer to "EMI testing of component power supplies." w.meanwell.com//Upload/PDF/EMI statement en.pdf)									





■ DC output plug

O Standard plug: P1J





O DC plug changeable through:

- (1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
- (2) Quick adapter accessory (sold separately without MOQ)

Please refer to below table and online selection guide: https://www.meanwell.com/upload/pdf/DC_plug.pdf

Example quick adapter accessory:







Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fo	Type No.	A B		С	Quick Adapter			
Tulling F 0	Type No.	OD		ID		Accessory		
		P1I	5.5		2.1	9.5	Available (Current rating: 7.5A max.)	
		P1L	5.5		2.5	9.5		
A.	(Straight)	P1M	5.5		2.5	11.0		
В	C (Bisha as alad)	P1IR	5.5		2.1	9.5		
<u> → [] → [</u>		P1JR	5.5		2.1	11.0		
		P1LR	5.5		2.5	9.5		
	(Right-angled)	P1MR	5.5		2.5	11.0		
Barrel	Type No.	Α		В	С			
Barror		OD		ID	L			
	L C	P2I	5.5		2.1	9.5		
		P2J	5.5		2.1	11.0		
Δ		P2L	5.5	_	2.5	9.5	None	
A B	(Straight)	P2M	5.5		2.5	11.0		
<u>B</u>	(Right-angled)	P2IR	5.5		2.1	9.5		
		P2JR	5.5		2.1	11.0		
		P2LR	5.5	_	2.5	9.5		
		P2MR	5.5		2.5	11.0		
L a als C	Type No.	A		В	С			
Lock S		OD		ID	L			
. A .	Floating Locking C-	P2S(S761K)	5.53		2.03	12.06	None	
A O B		P2K(761K)	5.53		2.54	12.06		
<u>B</u>		P2C(S760K)	5.53		2.03	9.52		
	SWITCHCRAFT original or equivalent	P2D(760K)	5.53		2.54	9.52		
Min. Pin S	Type No.	A OD		В	С	A - Table		
IVIIII. I III (1,700.101			ID	L			
A	C _	P3A	2.35		0.7	11.0	Available (Current rating: 5A max.)	
B B		P3B	4.0		1.7	11.0		
<u>→</u>	EIAJ equivalent	P3C	4.75		1.7	11.0		
Cantan	Type No.	Α	В	С	D			
Center P		OD	ID	L	Center Pin			
A	C →	P4A	5.5	3.4	11.0	1.0	Available (Current rating: 7.5A max.)	
		P4B	6.5	4.4	11.0	1.4	(ourient rading. 1.5A max.)	
	EIAJ equivalent	P4C	7.4	5.1	11.0	0.6		



Mir. DIN 2 Din with Look (male)	T N -	Pin .	Assignment	Quick Adapter		
Min. DIN 3 Pin with Lock (male)	Type No.	PIN No.	Output	Accessory		
	R6B	1	+Vo			
		2	-Vo	Available (Current rating: 7.5A max.)		
KYCON KPPX-3P equivalent		3	+Vo	, , , , , , , , , , , , , , , , , , , ,		
M: DIN 4 B: (41 1 4 4 1)	Type No.	Pin Assignment				
Min. DIN 4 Pin with Lock (male)	туре но.	PIN No.	Output			
	R7B	1	+Vo	Available		
(00) 23 IIIII 日 日 日 日		2	-Vo	(Current rating: 7.5A max.)		
KYCON KPPX-4P equivalent		3	-Vo			
KTOOKKIT X-41 equivalent		4	+Vo			
Min. DIN 4 Pin with Lock (female)	Type No.	Pin Assignment				
Will. Dill 41 ill with Lock (leniale)	турстчо.	PIN No.	Output			
	R7BF	1	+Vo	None		
2 3 TUTUTUTI		2	-Vo	-		
		3	-Vo			
KYCON KPJX-CM-4S equivalent		4	+Vo			
DIN 5 Pin (male)	Type No.	Pin Assignment				
211(01 III (IIIa10)		PIN No.	Output			
	R1B	1	-Vo	Available		
		2	-Vo	- (Current rating: 7.5A max.)		
$\begin{pmatrix} \begin{pmatrix} 0_1 & 3 \\ 0_2 & 5 \end{pmatrix} \end{pmatrix} \qquad $		3	+Vo			
		4	-Vo			
		5	+Vo			
Stripped and tinned leads	Type No.	Pin Assignment				
	турстчо.	PIN No.	Output	None		
L (red) 1 2 L1 (black)	by customer	1	+Vo			
Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>5</u> mm) (NOTE: The wire color is for reference only, please refer to the actual product)		2	-Vo			

■ Installation Manual

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