







(Cable connection)













(USB connection)











Features

- · Ultra slim
- · Universal AC input / Full range
- · 2 pole USA plug, Class Ⅱ power unit
- No load power consumption<0.075W
- ullet Energy efficiency Level ${
 m VI}$
- · Comply with EISA 2007/DoE
- · Protections: Short circuit / Overload / Over voltage
- · Fully enclosed plastic case
- · Pass LPS
- 54V model available for PoE(optional)
- 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

Applications

- · Consumer electronic devices
- Telecommunication devices
- · Office facilities
- · Industrial equipm
- Power sourcing equipment of PoEents

■ GTIN CODE

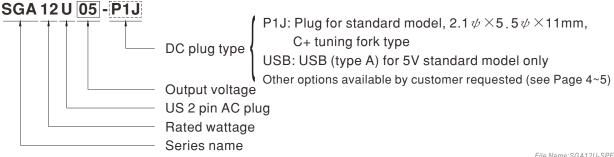
MW Search: https://www.meanwell.com/serviceGTIN.aspx

Description

SGA12U is a 12W ultra slim wall-mounted style single-output green adaptor series, which is compact and convenient for carry. SGA12U is a class $\[mathbb{I}\]$ power unit (no FG) equipped with the standard 2-Pin U.S. plug, accepting the input range from 90VAC to 264VAC. The whole series provides different models with output voltages ranging between 5VDC and 48VDC that it can satisfy the demands for various types of consumer electronic devices.

With the efficiency up to 86% and the extremely low no-load power consumption below 0.075W, SGA12U is compliant with the latest U.S. energy regulation EISA 2007/DoE(Level $\rm VI$). The supreme feature allows the adaptor to save the energy when it is under either the operating mode or the standby mode. The entire series is approved for international safety regulations; moreover, it adopts the 94V-0 flame retardant plastic case that it can effectively prevent users from electric hazards.

■ Model Encoding

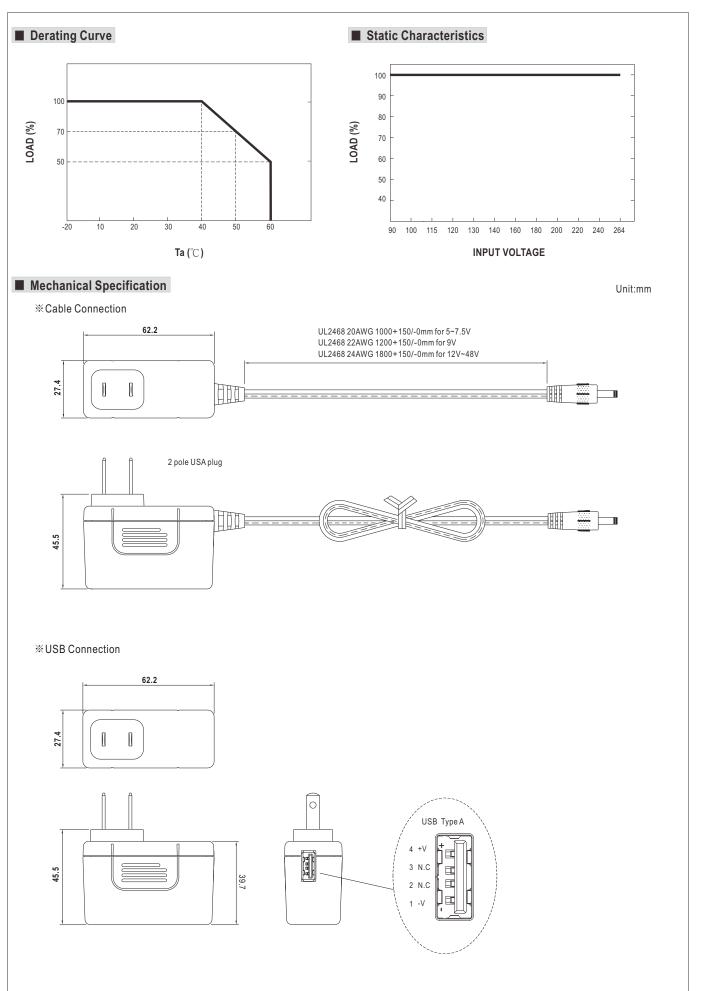


SGA12U series

SPECIFICATION

ORDER NO.		SGA12U05-□ □=P1J, USB	SGA12U07-P1J	SGA12U09-P1J	SGA12U12-P1J	SGA12U15-P1J	SGA12U18-P1	SGA12U24-P1J	SGA12U48-P1J	
	SAFETY MODEL NO.	SGA12U05	SGA12U07	SGA12U09	SGA12U12	SGA12U15	SGA12U18	SGA12U24	SGA12U48	
ОИТРИТ	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V	48V	
	RATED CURRENT	2.4A	1.6A	1.33A	1A	0.8A	0.66A	0.5A	0.25A	
	CURRENT RANGE	0 ~ 2.4A	0 ~ 1.6A	0 ~ 1.33A	0 ~ 1A	0 ~ 0.8A	0~0.66A	0 ~ 0.5A	0 ~ 0.25A	
	RATED POWER (max.)	12W	12W	12W	12W	12W	12W	12W	12W	
	RIPPLE & NOISE (max.) Note.3	50mVp-p	50mVp-p	80mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	100mVp-p	
	VOLTAGE TOLERANCE Note.4		±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	
	LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	LOAD REGULATION Note.6	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	
	SETUP, RISE, HOLD UP TIME	1500ms, 50ms,	10ms/230VAC	1500ms, 50	ns, 10ms/115VA	C at full load				
	VOLTAGE RANGE	90 ~ 264VAC								
	FREQUENCY RANGE	47 ~ 63Hz								
INPUT	EFFICIENCY (Typ.)	80%	83%	82.5%	83%	83%	83.5%	84%	86%	
INFUI	AC CURRENT	0.4A / 115VAC	0.2A / 230V	AC						
	INRUSH CURRENT (max.)	Cold start 30A	/ 115VAC 6	0A / 230VAC						
	LEAKAGE CURRENT(max.)	0.25mA / 240VA	/C							
	OVERLOAD	110 ~ 200% rated output power 120 ~ 250% rated output pow								
PROTECTION		Protection type: Hiccup mode, recovers automatically after fault condition is removed 110 ~ 140% rated output voltage								
	OVER VOLTAGE			er diode, output	short					
	WORKING TEMP.	-20 ~ +60°C (Refer to "Derating Curve")								
	WORKING HUMIDITY	20% ~ 90% RH non-condensing								
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH non-condensing								
	TEMP. COEFFICIENT VIBRATION	±0.03% /°C (0~40°C)								
	SAFETY STANDARDS	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes								
	WITHSTAND VOLTAGE	UL62368-1, CSA C22.2 NO. 62368-1, EAC TP TC 004 approved I/P-O/P:4242VDC								
SAFETY &	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH								
EMC		Parameter Standard Tes						st Level / Note		
(Note. 7)	EMC EMISSION	Conducted emi	ssion	FCC PART	15 / CISPR22, C	ass B				
		Radiated emission FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B) Class B								
	LIFE	3 years: 100% load 40°C, 8hours / day								
OTHERS	MTBF	265Khrs min. N	/IL-HDBK-217F	(25°℃)						
OTTLENS	DIMENSION	62.2*27.4*45.5mm (L*W*H)								
	PACKING	109g; 110pcs / 13kg / CARTON for cable connection; 56.2g; 90pcs / 7.5kg / CARTON for USB connection								
CONNECTOR	PLUG	See page 4~5;	Other type avail	able by custome	requested					
CONNECTOR	CABLE	See page 4~5;	Other type avail	able by custome	requested					
	1.All parameters are specified at 115VAC 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 0.1uf & 47uf capacitor.									
	4.Tolerance: includes set up tolerance, line regulation, load regulation.									
NOTE	5.Line regulation is measured from low line to high line at rated load.									
<u>-</u>	6.Load regulation is measured from 10% to 100% rated load									
	7. 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								







12W AC-DC High Reliability Slim Wall-mounted Adaptor

■ DC output plug

O Standard plug: P1J

Unit:mm

	P1J		Pin Assignment
	5.5	11±0.5mm	⊕ −c*+*
	2.1		Outside ⊖—⊕ Inside

- 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.	А	В	С	Quick Adapter	
Turning FC	Type No.	OD	ID	L	Accessory	
	- C	P1I	5.5	2.1	9.5	
	(Straight)	P1L	5.5	2.5	9.5	
I A		P1M	5.5	2.5	11.0	A ! - - -
A B		P1IR	5.5	2.1	9.5	Available
→ T+ <u>P</u>		P1JR	5.5	2.1	11.0	(Current rating: 7.5A max.)
		P1LR	5.5	2.5	9.5	
	(Right-angled)	P1MR	5.5	2.5	11.0	
Barrel	Type No.	Α	В	С		
Darro	Otylo	турстчо.	OD	ID	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 D B	(Straight)	P2M	5.5	2.5	11.0	
В	C	P2IR	5.5	2.1	9.5	
		P2JR	5.5	2.1	11.0	
		P2LR	5.5	2.5	9.5	
	(Right-angled)	P2MR	5.5	2.5	11.0	
Lock	Type No.	Α	В	С		
LOOK	otylo	Type No.	OD	ID	L	
. A .	Floating Locking C-	P2S(S761K)	5.53	2.03	12.06	None
A B		P2K(761K)	5.53	2.54	12.06	None
B		P2C(S760K)	5.53	2.03	9.52	
	SWITCHCRAFT original or equivalent	P2D(760K)	5.53	2.54	9.52	
Min. Pin	Type No.	Α	В	С		
IVIIII. I III	1,700110.	OD	ID	L		
<u>A</u>	C _	P3A	2.35	0.7	11.0	Available
A B		P3B	4.0	1.7	11.0	(Current rating: 5A max.)
	EIAJ equivalent	P3C	4.75	1.7	11.0	



Center Pin Style	Type No.	A OD	B ID	C L	D Center Pin	Quick Adapter Accessory	
A C	P4A	5.5	3.4	11.0	1.0		
	P4B	6.5	4.4	11.0	1.4	Available (Current rating: 7.5A max.)	
EIAJ equivalent	P4C	7.4	5.1	11.0	0.6	(ourtent rating. 7.5A max.)	
•	Type No.	Pin Assignment					
Min. DIN 3 Pin with Lock (male)	Type No.	PIN No	IN No. Output				
	R6B	1		+Vo		Available (Current rating: 7.5A max.)	
		2		-Vo +Vo			
KYCON KPPX-3P equivalent		3					
Min. DINI 4 Din selfth Looks (mode)	Type No.	Pin Assignment					
Min. DIN 4 Pin with Lock (male)	туре по.	PIN No	No. Output				
	R7B	1		+Vo		Available (Current rating: 7.5A max.)	
2 3 THE TOTAL OF		2		-Vo			
KYCON KPPX-4P equivalent		3		-Vo			
		4	+Vo				
Min. DIN 4 Pin with Lock (female)	Type No.	Pin Assignment					
		PIN No).	Outpu +Vo			
		2		-Vo		None	
23	R7BF	3		-Vo			
KYCON KPJX-CM-4S equivalent		4		+Vo			
Ctrimped and timped leads	Type No.	Pin Assignment					
Stripped and tinned leads		PIN No).	Outpu	t		
1	by customer	1 (Ribbed	1)	+Vo		None	
Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)		2 (Letter)	-Vo			

■ Installation Manual

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