



■ Features

- Ultra slim
- Universal AC input / Full range
- 2 pole USA plug, Class II power unit
- No load power consumption <0.075W for 5~7.5V
<0.15W for 9~48V

• Energy efficiency Level VI

- Comply with EISA 2007/DoE
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- Pass LPS
- LED indicator for power on
- 54V model available for PoE(optional)
- **Various DC plug quick adapter accessory available**
(Plug kit sold separately, please refer to : https://www.meanwell.com/upload/pdf/DC_plug.pdf)
- 3 years warranty

■ Applications

- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments
- Power sourcing equipment of PoE



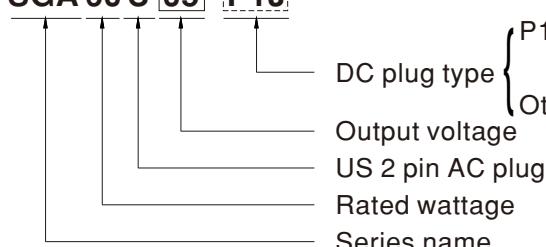
■ Description

SGA60U is a 60W ultra slim wall-mounted style single-output green adaptor series, which is compact and convenient for carry. SGA60U is a class II 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 89.5% and the extremely low no-load power consumption below 0.075W for 5~7.5V, below 0.15W for 9~48V, SGA60U is compliant with the latest U.S. energy regulation EISA 2007/DoE(Level 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

SGA 60 U 05 -P1J



P1J: Plug for standard model, 2.1 ψ \times 5.5 ψ \times 11mm,

C+ tuning fork type

Other options available by customer requested (see Page 4~5)



SPECIFICATION

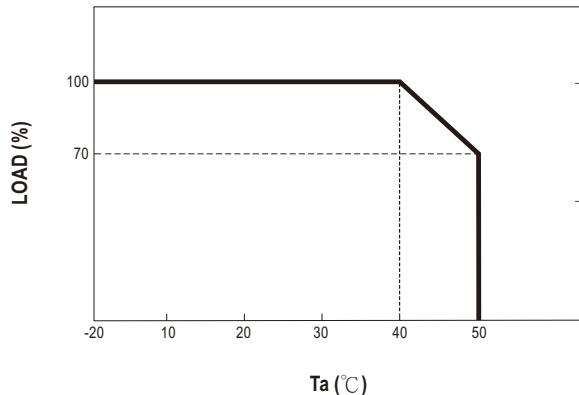
ORDER NO.	SGA60U05-P1J	SGA60U07-P1J	SGA60U09-P1J	SGA60U12-P1J	SGA60U15-P1J	SGA60U18-P1J	SGA60U24-P1J	SGA60U48-P1J														
OUTPUT	SAFETY MODEL NO.	SGA60U05	SGA60U07	SGA60U09	SGA60U12	SGA60U15	SGA60U18	SGA60U24														
	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V														
	RATED CURRENT	6A	6A	5.5A	5A	4A	3.33A	2.5A														
	CURRENT RANGE	0 ~ 6A	0 ~ 6A	0 ~ 5.5A	0 ~ 5A	0 ~ 4A	0 ~ 3.33A	0 ~ 2.5A														
	RATED POWER (max.)	30W	45W	50W	60W	60W	60W	60W														
	ripple & noise (max.) Note.3	80mVp-p	80mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	120mVp-p														
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±5.0%	±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%														
	LOAD REGULATION Note.6	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±2.0%	±2.0%														
SETUP, RISE, HOLD UP TIME		2500ms, 50ms, 10ms/230VAC		2500ms, 50ms, 10ms/115VAC at full load																		
INPUT	VOLTAGE RANGE Note.7	90 ~ 264VAC																				
	FREQUENCY RANGE	47 ~ 63Hz																				
	EFFICIENCY (Typ.)	83.5%	85%	86.5%	87.5%	87%	88%	88%														
	AC CURRENT	1.5A / 115VAC	0.75A / 230VAC																			
	INRUSH CURRENT (max.)	Cold start 40A / 115VAC	80A / 230VAC																			
	LEAKAGE CURRENT(max.)	0.25mA / 240VAC																				
PROTECTION	OVERLOAD	110 ~ 200% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed																				
	OVER VOLTAGE	110 ~ 140% rated output voltage Protection type : Clamp by zener diode, output short																				
ENVIRONMENT	WORKING TEMP.	-20 ~ +50°C (Refer to "Derating Curve")																				
	WORKING HUMIDITY	20% ~ 90% RH non-condensing																				
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH non-condensing																				
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 40°C)																				
SAFETY & EMC (Note. 8)	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes																				
	SAFETY STANDARDS	UL62368-1, CSA C22.2 NO. 62368-1, EAC TP TC 004 approved																				
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC																				
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH																				
	EMC EMISSION	Parameter	Standard			Test Level / Note																
OTHERS	Conducted emission	FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B)			Class B																	
	Radiated emission	FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B)			Class B																	
	LIFE	3 years : 100% load 40°C, 12hours / day																				
	MTBF	400Khrs min. MIL-HDBK-217F(25°C)																				
CONNECTOR	DIMENSION	93.5*35*51.5mm (L*W*H)																				
	PACKING	250g ; 60pcs / 17kg / CARTON																				
NOTE	PLUG	See page 4~5 ; Other type available by customer requested																				
	CABLE	See page 4~5 ; Other type available by customer 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. 5. Line regulation is measured from low line to high line at rated load. 6. Load regulation is measured from 10% to 100% rated load. 7. Derating may be needed under low input voltage. Please check the derating curve for more details. 8. 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																						



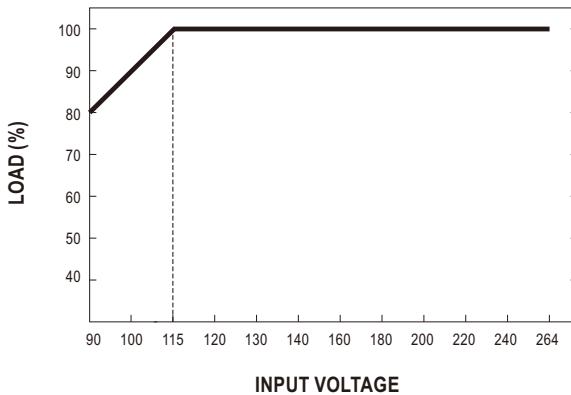
60WAC-DC High Reliability Slim Wall-mounted Adaptor

SGA60U series

■ Derating Curve

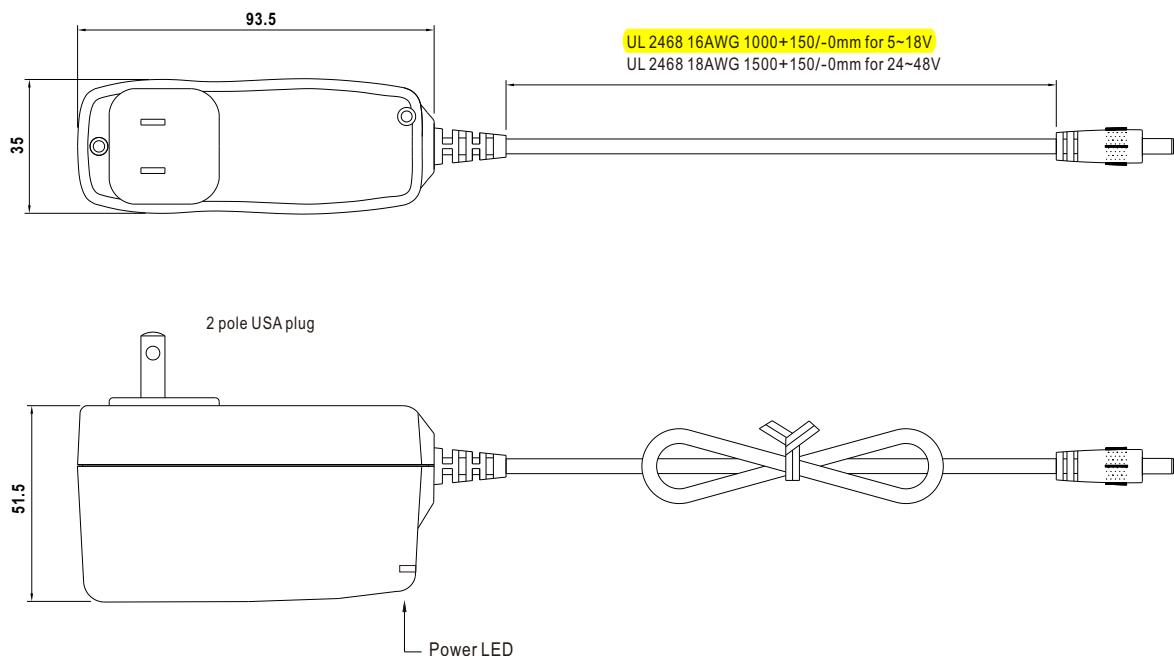


■ Static Characteristics



■ Mechanical Specification

Unit:mm



■ DC output plug

- ◎ Standard plug: P1J

Unit:mm

P1J	Pin Assignment
 	 Outside - - - + + + Inside

- ◎ DC plug changeable through:

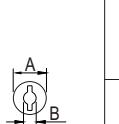
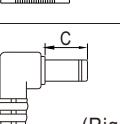
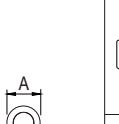
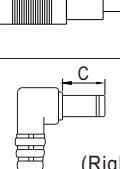
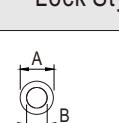
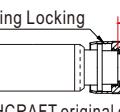
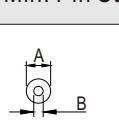
- (1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
- (2) Quick adapter accessory (sold separately without MOQ)

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

Example quick adapter accessory:



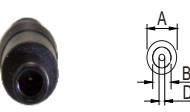
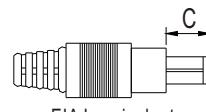
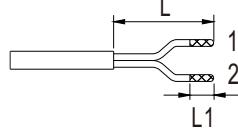
- ◎ Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style	Type No.	A	B	C	Quick Adapter Accessory
		OD	ID	L	
  	P1I	5.5	2.1	9.5	Available (Current rating: 7.5A max.)
	P1L	5.5	2.5	9.5	
	P1M	5.5	2.5	11.0	
	P1IR	5.5	2.1	9.5	
	P1JR	5.5	2.1	11.0	
	P1LR	5.5	2.5	9.5	
	P1MR	5.5	2.5	11.0	
Barrel Style		Type No.	A	B	None
  	Type No.	OD	ID	L	
	P2I	5.5	2.1	9.5	
	P2J	5.5	2.1	11.0	
	P2L	5.5	2.5	9.5	
	P2M	5.5	2.5	11.0	
	P2IR	5.5	2.1	9.5	
	P2JR	5.5	2.1	11.0	
	P2LR	5.5	2.5	9.5	
Lock Style		Type No.	A	B	None
  	Type No.	OD	ID	L	
	P2S(S761K)	5.53	2.03	12.06	
	P2K(761K)	5.53	2.54	12.06	
	P2C(S760K)	5.53	2.03	9.52	
Min. Pin Style		Type No.	A	B	Available (Current rating: 5A max.)
 	Type No.	OD	ID	L	
	P3A	2.35	0.7	11.0	
	P3B	4.0	1.7	11.0	
	P3C	4.75	1.7	11.0	



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Center Pin Style	Type No.	A	B	C	D	Quick Adapter Accessory	
		OD	ID	L	Center Pin		
	P4A	5.5	3.4	11.0	1.0	Available (Current rating: 7.5A max.)	
	P4B	6.5	4.4	11.0	1.4		
	P4C	7.4	5.1	11.0	0.6		
Min. DIN 3 Pin with Lock (male)	Type No.	Pin Assignment				Available (Current rating: 7.5A max.)	
		PIN No.		Output			
		1		+Vo			
	R6B	2		-Vo		Available (Current rating: 7.5A max.)	
		3		+Vo			
Min. DIN 4 Pin with Lock (male)		Pin Assignment					
	R7B	PIN No.		Output		Available (Current rating: 7.5A max.)	
		1		+Vo			
		2		-Vo			
		3		-Vo			
		4		+Vo			
Min. DIN 4 Pin with Lock (female)	R7BF	Pin Assignment				None	
		PIN No.		Output			
		1		+Vo			
		2		-Vo			
		3		-Vo			
		4		+Vo			
Stripped and tinned leads	by customer	Pin Assignment				None	
		PIN No.		Output			
		1 (Ribbed or White)		+Vo			
Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)		2 (Letter or Black)		-Vo			

■ Installation Manual

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